SENSIBLE SOLUTIONS

CES INC

HAZARDOUS BUILDING MATERIALS IDENTIFICATION REPORT

FORMER CHINET GROUNDWOOD MILL
69 KENNEBEC STREET
SHAWMUT VILLAGE, FAIRFIELD, MAINE

Prepared for: **Maine Department of Environmental Protection**
17 State House Station
Augusta, Maine 04333

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JN: 10193.045

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EXECUTIVE SUMMARY

CES, Inc., (CES) conducted an assessment of the former Chinet Groundwood Mill located at 69 Kennebec Street in Shawmut Village, Fairfield, Maine to identify the presence of hazardous materials on or within the building. This investigation was completed to verify the presence of previously identified Asbestos-Containing Materials (ACM), identify and quantify additional ACM, and Polychlorinated Biphenyl (PCB) contaminated materials (caulk/glazing, soil, sediment, oil, oil stained concrete, and paint) that would require special handling and disposal or would be regulated prior to/during demolition or renovation of the structure. Assessment of the building was conducted on August 30, 2016. The investigation revealed the following relevant information:

1. Additional ACM, beyond what was reported in the 2007 Asbestos Demolition Impact Survey, was not identified on the interior or exterior of the Site building.
2. PCB stained concrete and PCB paints were identified on the interior of the building in the boiler room and basement.
3. Caulk/glazing, soil/sediment, and oil samples collected during this investigation did not contain PCBs in exceedance of regulatory guidelines.
4. Testing for the presence of Lead-Based Paint (LBP) was not conducted as part of this investigation, however, based on the age of the structure, LBP is assumed to be present on the interior and exterior of the building.

Should the materials identified above be impacted by planned renovations, removal, or remediation may be required prior to disturbance, in accordance with applicable State of Maine and federal rules and regulations.

CES makes the following recommendations based on the results of the Hazardous Materials Inventory:

- Supplemental sampling of concrete substrates with identified PCB-containing paint should be completed to determine the extent of potential PCB impacts to the concrete substrates.
- Remaining paint colors should be sampled for PCBs and the area of impacted paint quantified. Use of onsite screening methods may help to quickly evaluate impacted areas with laboratory confirmation done of high, medium and low level (below TSCA action levels)

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1.0 INTRODUCTION

CES, Inc., (CES) conducted an assessment of the former Chinet Groundwood Mill building located at 69 Kennebec Street in Shawmut Village, Fairfield, Maine to identify the presence of hazardous materials on or within the building as per Maine Department of Environmental Protection (MDEP) RFB #52. A site location map is included as **Figure 1** and a Site Plan is included as **Figure 2**. This investigation was completed to verify the presence of previously identified Asbestos-Containing Materials (ACM), identify and quantify additional ACM, and potential Polychlorinated Biphenyl (PCB) containing materials including caulk/glazing, oil stained concrete, oils, paints, soils and sediments, associated with the structure that may be impacted by the planned demolition of the Site building.

1.1 Background

Summit Environmental Consultants, Inc. (Summit) completed an Asbestos Demolition Impact Survey for the Site dated January 29, 2007, a copy of which is included as **Appendix A**. ACM identified during the 2007 ACM Survey is summarized in **Table 1**.

CES completed a Phase I Environmental Site Assessment (ESA) for the Site dated January 28, 2016. The following Recognized Environmental Conditions (RECs) were identified during completion of the Phase I ESA:

- Oil staining was observed on the concrete floor of the boiler room in the mill building, in the first floor electrical room, and on an exterior concrete abutment.
- Five open containers of oil and an oil-filled electrical transformer were observed in the first floor electrical room. The PCB content (if any) of the oil is unknown.
- Water pooled beneath machinery in the “grinder” room was observed to have a thin layer of petroleum floating on the top. The petroleum impacted water is confined to the pit beneath the machinery.
- Although the floor drains were investigated during the previous Phase II ESA, it is possible that sludge containing hazardous materials remains in the floor drain lines.
- The 1889 Sanborn Map identified a former facility located at the Site. Included within this facility was a Sulphur burning room and an acid plant. Investigation of possible impacts from the historic acid plant was not completed during the previous Phase II ESA.

CES completed a Potential Hazardous Building Materials Inventory (PHBMI) for the Site dated January 27, 2016. Potential hazardous building materials identified included:

- Drywall located in the first floor bathroom which was not sampled during the 2007 ACM survey;
- Potential PCB containing materials including oils, oil stained concrete, and floor drain sediments; and
- Six colors of potential Lead Based Paint (LBP).

A copy of the PHBMI is included in **Appendix A**.

This Hazardous Building Materials Inventory (HBMI) was conducted to address the concerns identified in the Phase I ESA and PHBMI reports.

3.0 ASBESTOS SAMPLING

Asbestos sampling was conducted in accordance with the Maine Department of Environmental Protection (MDEP) Chapter 425 Asbestos Management Regulations (April 3, 2011 revision) to provide information regarding the presence of ACM associated with materials not tested or previously identified during the 2007 Asbestos Demolition Impact Survey. Mr. Brett Deyling (CES), an asbestos inspector licensed in the State of Maine, performed the field survey on August 30, 2016. A copy of Mr. Deyling's Asbestos Inspector certification is included in **Appendix B**. Asbestos sample locations are depicted on **Figure 4**.

Asbestos sampling included:

- Collection of six bulk samples of suspect ACM not previously sampled in accordance with MDEP regulations; and
- Quantification of ACM identified by laboratory analysis.

As with any scientific study, an asbestos identification survey is subject to a variety of limitations. Limitations to be considered when interpreting the results of the survey performed on this structure include the following:

- An asbestos identification survey may not be able to identify all ACM present throughout a facility;
- Inaccessible portions of the building (e.g.; locked or occupied rooms) were not assessed;
- Variations in building materials used during construction and subsequent renovations; and
- Inaccessible areas within wall cavities, under floors and ceiling heights.

Bulk samples of suspect ACM collected during the survey were submitted to EMSL Analytical, Inc. (EMSL) of South Portland, Maine for analysis. Bulk samples collected during this survey were analyzed using the MDEP required analytical methods: "PLM-EPA 600/R-93/116" (for surfacing, thermal system insulation and cementitious materials) and "PLM NOB-EPA 600/R-93/116" (for non-friable organically bound materials (NOBs)) (e.g., floor tile, adhesives, and roofing) with "gravimetric reduction". Samples were analyzed at the EMSL laboratory which is certified to perform asbestos analysis by both the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Industrial Hygiene Association (AIHA). EMSL is a MDEP licensed Asbestos Analytical Laboratory. Copies of EMSL's laboratory certifications are included in **Appendix C**. Laboratory analytical results and chain of custodies are included as **Appendix D**.

Bulk samples were collected from the following suspect ACM:

- Window Glazing from the garage; and
- Drywall from First Floor Bathroom.

The number of samples collected was determined by the number of homogeneous sampling areas identified by the inspector. A homogeneous area is an area that based on the inspector's judgment, contains materials that are uniform in color and texture and are present on similar building or utility components.

2.1 Asbestos Sampling Results

According to MDEP regulation, locations and occurrences of materials that tested positive and are homogenous (similar in color and texture) in nature are considered as ACM, provided the material contains greater than or equal to (≥) one percent (1%) asbestos based on laboratory analysis. A material can only be considered negative for asbestos if analytical results from all bulk samples in a group of samples representing that material indicate an asbestos content of less than (<) 1%.

All samples submitted for analysis were reported as negative for asbestos.
Locations of identified ACM as determined during the 2007 ACM Survey are presented on **Figures 6** through **8**. An inventory of identified ACM for the building is included in **Table 1**.

3.0 LEAD-BASED PAINT ASSESSMENT

Six distinct paint colors were identified in the January 2016 PHBMI report. Testing for the presence of Lead-Based Paint (LBP) was not included as part of the Scope of Work (SOW) and was not conducted as part of this investigation, however, based on the age of the structure, LBP is assumed to be present on the interior and exterior of the building. Since future plans for this property include demolition of the building, LBP remediation is not required as long as all painted building components are disposed of in a Maine-licensed Construction and Demolition Debris (CDD) landfill.

4.0 PCB SCREENING

PCBs were used in caulking, elastic sealant materials, paints, and oils primarily from 1950 through 1978. These materials were commonly used in windows and associated window systems, door frames, stairways, masonry columns, and other masonry building materials. PCBs were not used in these materials after 1978. Consistent with U.S. Environmental Protection Agency (USEPA) guidelines, PCB containing coatings, oils, caulks, etc. have a PCB content of equal to or greater than or equal to (≥) 50.0 parts per million (ppm). At this level, the substance containing PCBs is not an authorized use under the PCB regulations and must be removed. When removed, these materials are considered a controlled hazardous waste material under the Toxic Substance Control Act (TSCA). In addition, porous substrates impacted by PCBs at a concentration >1.0 mg/kg exceed the TSCA guidelines and must be remediated or removed.

On August 30, 2016, CES conducted field assessments and sampling of: caulk/glazing; oils; oil-stained concrete; surficial soils/sediment and paints for the presence of PCBs. Summaries of the sampling and associated laboratory analytical results follow: Sampling locations are depicted on **Figures 3** through **5**. Laboratory analytical reports are included as **Appendix E**.

4.1 Caulk/Glazing Screening

CES collected two representative samples of caulk/glazing associated with the window and roof systems present at the building including:

- White glazing present on windows located in the garage; and
- Black caulk associated with roofing material on the main building.

The samples were placed in laboratory provided containers and analyzed by Alpha Analytical (Alpha) of Westborough, Massachusetts using USEPA Method SW-846-8082 and sample preparation Method SW-846 3540C (Soxhlet).

4.1.1 Caulk/Glazing Screening Results

Laboratory analytical results reported PCBs as “not detected” (ND) for all caulk/glazing samples collected; therefore, the caulk and glazing identified and sampled at the Site are not considered to be a controlled hazardous waste material (PCB waste). Caulk/glazing analytical results are presented in **Table 2**.

4.2 Oil Sampling

CES collected oil samples from five open containers located in the first floor electrical room. A dedicated plastic syringe was used to collect oil from each container. Oil samples were then placed in laboratory provided containers and submitted to Alpha for PCB analysis using USEPA Method SW-846-8082 and sample preparation Method SW-846 3540C (Soxhlet).

4.2.1 Oil Sampling Results

Laboratory analytical reported PCBs as “not detected” (ND) for all oil samples collected. Oil analytical results are presented in **Table 3**.

4.3 Oil-Stained Concrete Sampling

Concrete samples were collected from oil stained areas throughout the Site building and on two exterior concrete pads assumed to have contained electrical equipment. Sample locations, including 23 locations within the building and two locations on the concrete pads, were identified in consultation with Mr. Ben Guidi with MDEP prior to the commencement of sampling. Sample location 19 was collected and submitted as a caulking sample (CK-02). Exterior samples (CS-25A, B and, C and CS-26A, B, and C) were collected in triplicate. In addition, two duplicate samples, DUP-01 and DUP-02, were collected at sample locations CS-11 and CS-22, respectively. Concrete samples were collected using a rotary hammer drill with a 1.5” steel bit which was advanced 0.5-inches into the concrete. Drill cuttings were collected in laboratory provided containers and submitted to Alpha for PCB analysis using USEPA Method SW-846-8082 and sample preparation Method SW-846 3540C (Soxhlet). The drill bit was decontaminated with hexane prior to sampling and between each sample location. Two field blanks were collected from the drill bit. Discussion of the field blanks is included in Section 5.

4.3.1 Oil-Stained Concrete Sampling Results

Laboratory analytical results indicate that sample locations, CS-20, CS-21, CS-22, and CS-23 contained PCB concentrations of 2.37 mg/kg, 10.4 mg/kg, 1.07 mg/kg, and 3.75 mg/kg, respectively, above the TSCA guideline of 1.0 mg/kg. Sample CS-23 was collected from the floor of the boiler room where PCB containing paint was identified (See Section 4.5). CES did not thoroughly clean the floor or remove paint prior to sampling; therefore, it is unclear if the PCBs detected in this sample came from the paint or the concrete substrate. All other sample locations contained PCBs below the TSCA guideline of 1.0 mg/kg. Concrete analytical results are presented on **Table 4**.

4.4 Surficial Soil/Sediment Sampling

CES collected surficial soil samples (0-1' below ground surface (BGS)) from six exterior locations at three locations surrounding each exterior concrete pad. In addition, two sediment samples were collected in the basement from the building's trench drain. Soil and sediment samples were collected using a stainless steel hand trowel which was decontaminated using hexane both before sampling and in between each sample location. A field blank was collected from the trowel. Discussion of the field blank is included in Section 5. The soil and sediment samples were collected in laboratory provided containers and submitted to Alpha for PCB analysis using USEPA Method SW-846-8082 and sample preparation Method SW-846 3540C (Soxhlet).

4.4.1 Surficial Soil/Sediment Sampling Results

PCBs were detected in sediment samples SD-01 and SD-02 at a concentration of 0.0557 milligrams per kilogram mg/kg and 1.45 mg/kg, respectively, below the MDEP Remedial Action Guidelines for both the construction and commercial worker scenarios.

Laboratory analytical reported PCBs as ND for all surficial soil samples collected.

Soil/sediment analytical results are presented on **Table 5**.

4.5 Paint Sampling

Four paint samples were collected from within the boiler room including:

- Light Green Walls (P-1);
- Dark Green Equipment (P-2);
- White Ceilings (P-3) and
- Gray Floor (P-4)

Paint chip samples were manually peeled off the substrate, placed in laboratory supplied containers, and submitted to Alpha for PCB analysis using USEPA Method SW-846-8082 and sample preparation Method SW-846 3540C (Soxhlet).

4.5.1 Paint Sampling Results

PCBs were detected in paints samples P-1, P-3, and P-4 at a concentration of 3,950 mg/kg, 3,080 mg/kg, and 1,710 mg/kg, respectively, above the TSCA guideline of 50 mg/kg. Paint sample P-2 contained a PCB concentration of 29.2 mg/kg below the TSCA guideline. Sample CS-23 was collected from the floor of the boiler room where PCB containing paint was identified (See Section 4.5). CES did not thoroughly clean the floor or remove paint prior to sampling; therefore, it is unclear if the PCBs detected in this sample came from the paint or the concrete substrate. Paint analytical results are presented on **Table 6**.

5.0 EVALUATION OF MEDIA QUALITY

Soil/sediment, concrete, oil, paint, and caulk/glazing samples were submitted to Alpha on August 31, 2016.

Samples were delivered within the applicable holding times and within the specified temperature range. Copies of the chains of custody are included at the end of **Appendix E**.

CES calculated relative percent differences (RPDs) for samples with duplicate data. For two samples "A" and "B", the RPD represents the absolute value of (A-B) x100/(A+B)/2. Sample CS-22 and its duplicate had a RPD of 8.6%, below the acceptable variability of 10%. Sample CS-11 and its duplicate had a RPD of 29.9%, above the acceptable variability of 10%. The difference in the two samples is likely due to surface contamination or variations in the material sampled as the duplicates were collected from the same stain, but not necessarily the same hole.

CES obtained sample results from Alpha on September 11 and 12, 2016. Included in the sample results packages were copies of quality assurance (QA) data for PCBs. The lab indicated that surrogate recoveries for samples P-1 through P-4 and FB-1 were, “Below the acceptance criteria due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.” A copy of the chain of custody is included in **Appendix E**.

CES collected three fields blanks, FB-1 through FB-3, from non-dedicated sampling equipment. (trowel and drill bit). Field blanks were collected by pouring laboratory provided deionized water over the equipment and collecting the rinsate which was placed in laboratory provided containers and submitted to Alpha for PCB analysis. Analytical results were ND for all field blanks indicating that cross-contamination did not occur during sampling activities. Field blank analytical results are presented on **Table 7**.

CES completed the MDEP Basic Data Review Checklist to verify data quality associated with this sampling event. After completing the checklist, the results for samples P-1 through and P-4 and FB-1 were Q flagged due to the low surrogate recoveries reported by the lab. A copy of the completed review checklist is included as **Appendix F**.

6.0 ABATEMENT PLAN

Asbestos-Containing Materials

Regulations require that identified ACM which may be impacted by planned renovation/demolition activity be removed by a MDEP licensed asbestos abatement contractor in accordance with applicable state and federal regulations prior to disturbance by such planned activities. In accordance with 40 CFR 61, *National Emissions Standards for Hazardous Air Pollutants* (NESHAP), and 06-096 State of Maine, Department of Environmental Protection, Chapter 425, Asbestos Management Regulations (effective date: May 29, 2004), a contractor conducting any renovation and/or demolition activity that would disturb regulated ACM must: (1) notify the U.S. Environmental Protection Agency (USEPA) Administrator and the MDEP of such activities, (2) use proper removal procedures, (3) use proper engineering controls to limit emissions of asbestos fibers, and (4) utilize proper waste disposal. If any hidden suspect ACM (behind walls, in chases, above permanent ceilings, etc.) is uncovered during renovation or demolition activities, work must be stopped and the material tested for asbestos content. All ACM must be disposed of in accordance with all applicable state and federal requirements.

Additionally, notification requirements, as required by OSHA 29 CFR Parts 1910.1001 and 1926.1101, must be adhered to as part of routine communication with employees and outside contractors. Potential contractors bidding on the renovation work must first be informed of the results of this survey. Notification regarding the presence of the ACM must also be provided to employees who occupy an area containing ACM.

Lead-Based Paint

LBP is assumed to be present on painted surfaces within the building. Under current federal and state regulations for non-residential structures, LBP does not have to be removed from a structure prior to demolition, renovation or removal of specific building components. However, the following regulations/requirements must be followed in relation to disturbance of LBP during renovation or demolition:

- OSHA 29 CFR 1926.62 requires that an employer protect their personnel from exposure to lead dust during construction or renovation. While primarily an issue for the renovation or abatement contractor, the Owner is responsible to notify all parties involved in the work of the knowledge or presumption that painted surfaces may contain lead.
- The MDEP requires that building components with LBP be disposed in a licensed Construction and Demolition (C&D) Landfill, and that a manifest documenting the transport and disposal of this material be provided to the Owner.
- LBP removed (e.g., scrapped, chipped) from surfaces must be analyzed using a Toxicity Characteristic Leaching Procedure (TCLP) test to determine whether the residue is considered a hazardous waste. If TCLP results indicate levels of leachable lead in excess of 5.0 ppm, the resulting waste must be disposed of as a hazardous material.

PCBs

PCBs identified at concentrations above TSCA guidance include oil stained concrete in the basement and boiler room and three paint colors in the boiler room. PCB remediation must be conducted in accordance with 40 CFR 761.61(a) "Self-implementing on-site cleanup and disposal of PCB remediation waste". As such a site-specific remediation plan ("notification") must be prepared and submitted to the EPA for review and approval. This plan shall provide details of work practices, training, disposal, and verification procedures. All work shall be performed by an experienced hazardous materials remediation contractor.

7.0 CONCLUSIONS AND RECOMMENDATIONS

This investigation revealed the following relevant information:

1. Additional ACM, beyond what was reported in the 2007 Asbestos Demolition Impact Survey, was not identified on the interior or exterior of the Site building.
2. PCB stained concrete and PCB paints were identified on the interior of the building in the boiler room and basement.
3. Caulk/glazing, soil/sediment, and oil samples collected during this investigation did not contain PCBs in exceedance of regulatory guidelines.
4. Testing for the presence of Lead-Based Paint (LBP) was not conducted as part of this investigation, however, based on the age of the structure, LBP is assumed to be present on the interior and exterior of the building.

CES makes the following recommendations regarding further PCB assessment at the Site:

- Supplemental sampling of concrete substrates with identified PCB-containing paint should be completed to determine the extent of potential PCB impacts to the concrete substrates.
- Remaining paint colors should be sampled for PCBs and the area of impacted paint quantified. Use of onsite screening methods may help to quickly evaluate impacted areas with laboratory confirmation done of high, medium and low level (below TSCA action levels)

8.0 REPORT CERTIFICATION

This report was prepared and reviewed by CES, Inc. for the use of the MDEP and its constituents and should not be reproduced without CES' full, written authorization.

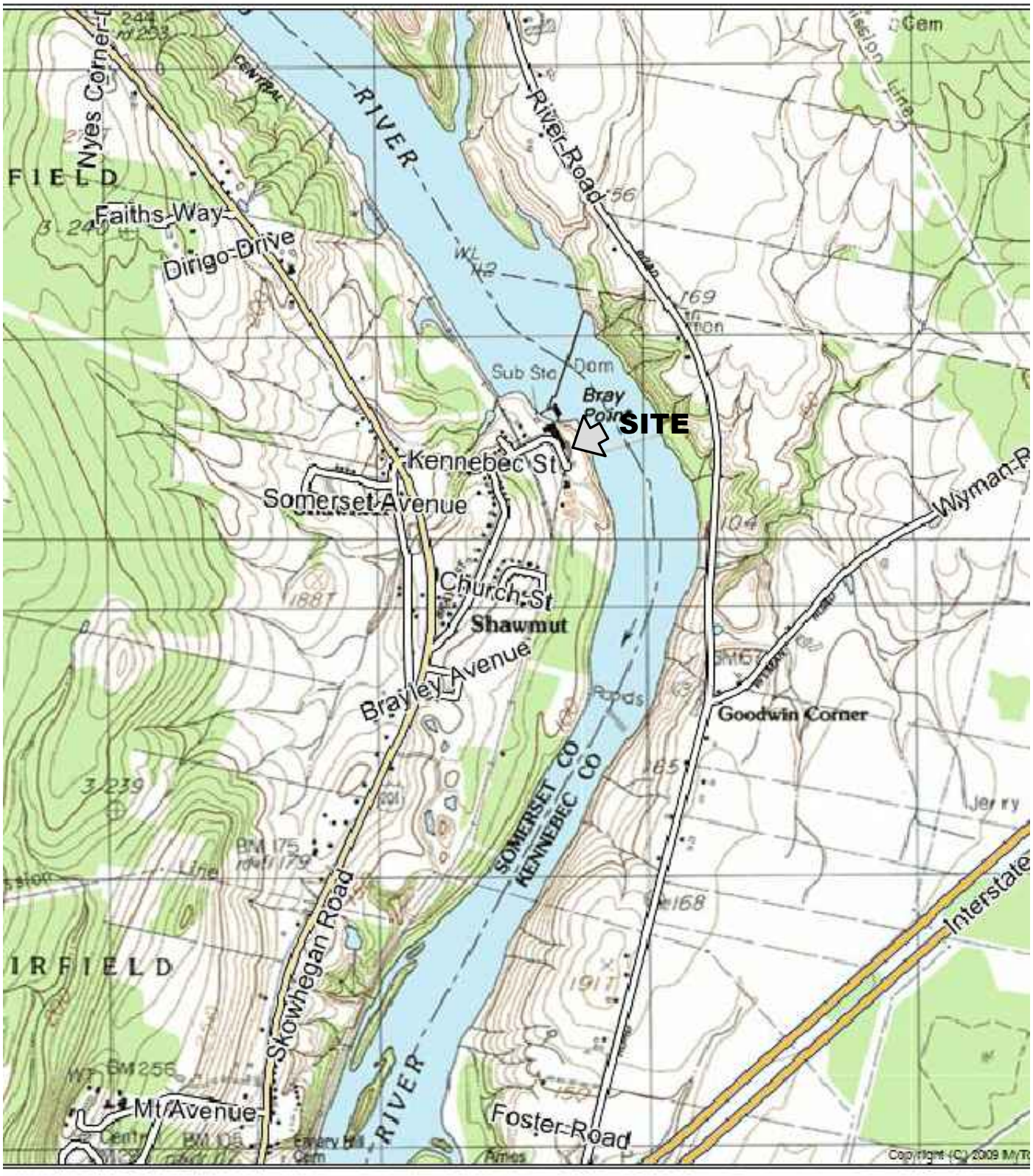
Wesley Harden, C.G.
Project Geologist

David Brooks
Project Manager

WEH/DWB/jna

Attachments

Figures



SOURCE:
U.S.G.S. TOPOGRAPHIC QUADRANGLE
CLINTON AND FAIRFIELD, MAINE
@ 1:24,000

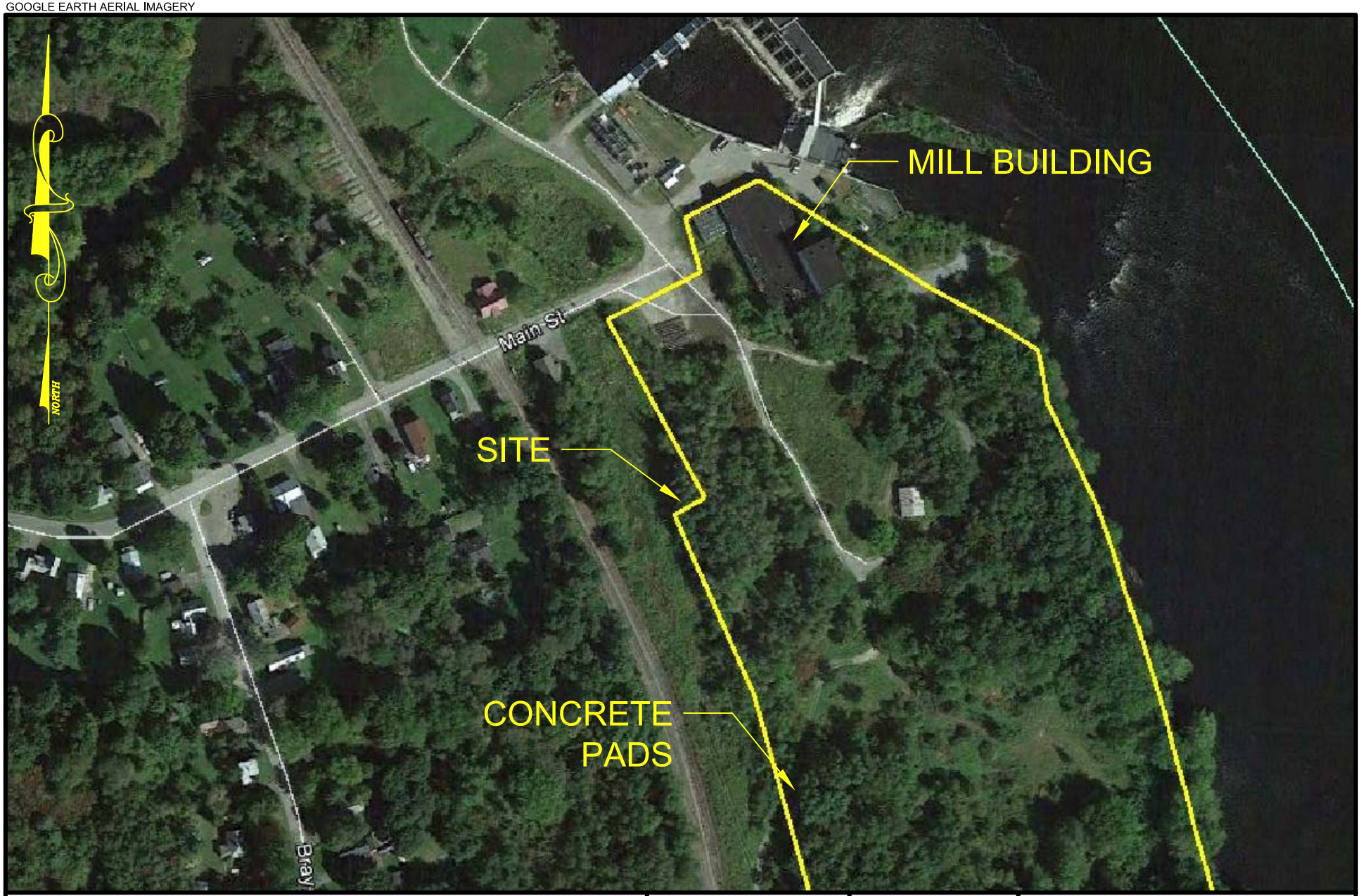
CES INC

FORMER CHINET GROUNDWOOD MILL
SHAWMUT, FAIRFIELD, MAINE

FIGURE 1: LOCATION MAP

12/16/2015
10193.040

GOOGLE EARTH AERIAL IMAGERY



PROJECT TITLE: **PHASE I ESA FORMER CHINET MILL, SHAWMUT, MAINE**	DWG: **FIGURE 2**	BY: WEH	CES INC ENGINEERING • SURVEYING • PLANNING • SCIENCES
SHEET TITLE: **SITE PLAN**	JN: 10193.040	DATE: 12/16/15	
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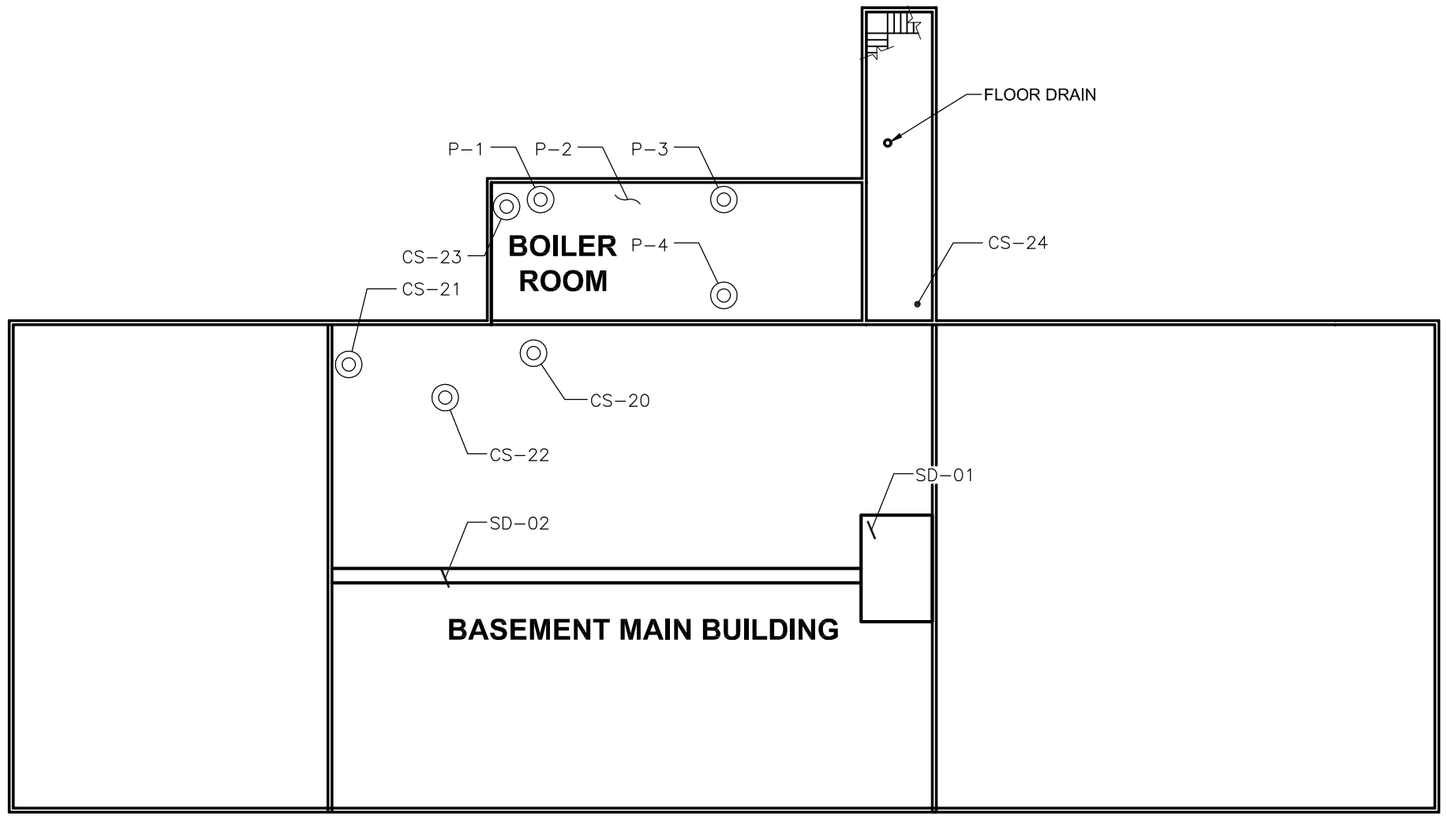
		REV DATE:	

NOTE:
OIL STAINING MAY BE PRESENT THROUGHOUT THE BUILDING



LEGEND

- COCNRETE
- SEDIMENT
- PCB PAINT
- PCB CONCENRATION IN EXCEEDANCE OF REGULATORY GUIDELINE

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: FIGURE 3	BY: AMJ	REV:	DESCRIPTION:	CES INC Engineers • Environmental Scientists • Surveyors
		DATE: 9/19/2016	REV DATE:		
SHEET TITLE: SAMPLE LOCATIONS BASEMENT	JN: 10193.045	APPROVED BY:	ISSUE:	DESCRIPTION:	
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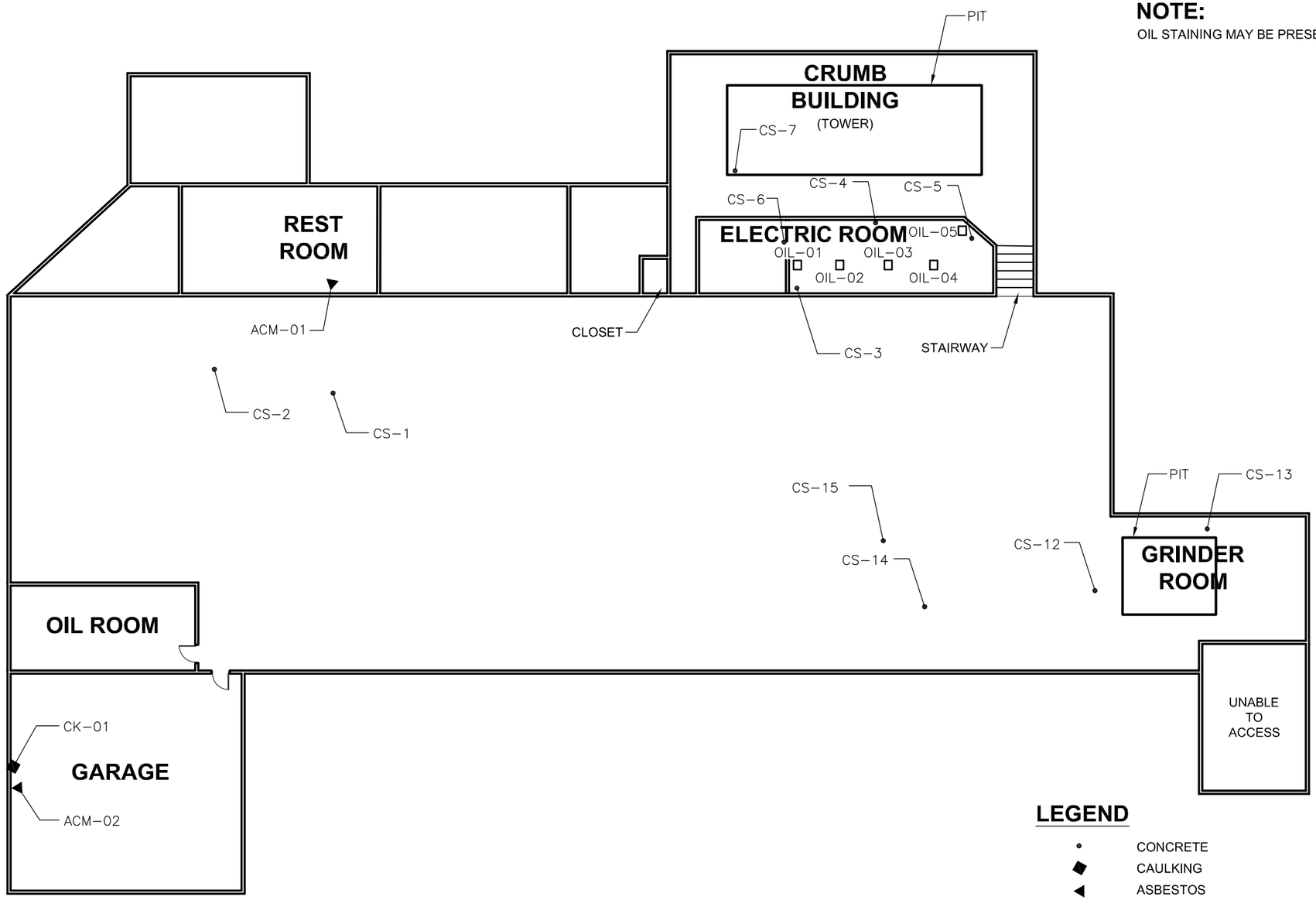

LEGEND

- CONCRETE
- CAULKING
- ASBESTOS

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: FIGURE 4	BY: AMJ	REV:	DESCRIPTION:	CES INC Engineers • Environmental Scientists • Surveyors
		DATE: 9/19/2016	REV DATE:		
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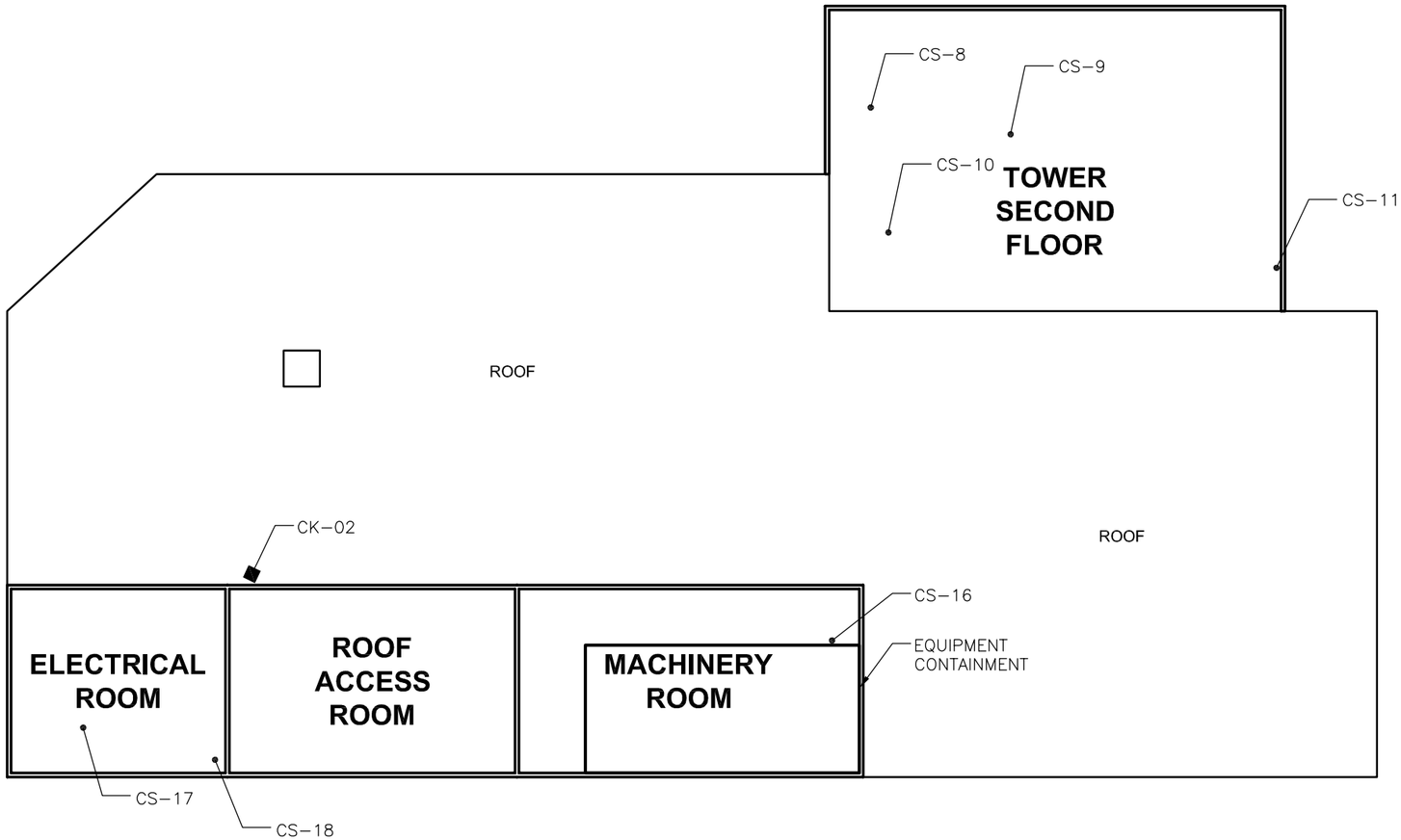
NOTE:
OIL STAINING MAY BE PRESENT THROUGHOUT THE BUILDING



LEGEND

- CONCRETE
- CAULKING

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: FIGURE 5	BY: AMJ	REV:	DESCRIPTION:	CES INC Engineers • Environmental Scientists • Surveyors
		DATE: 9/19/2016	REV DATE:		
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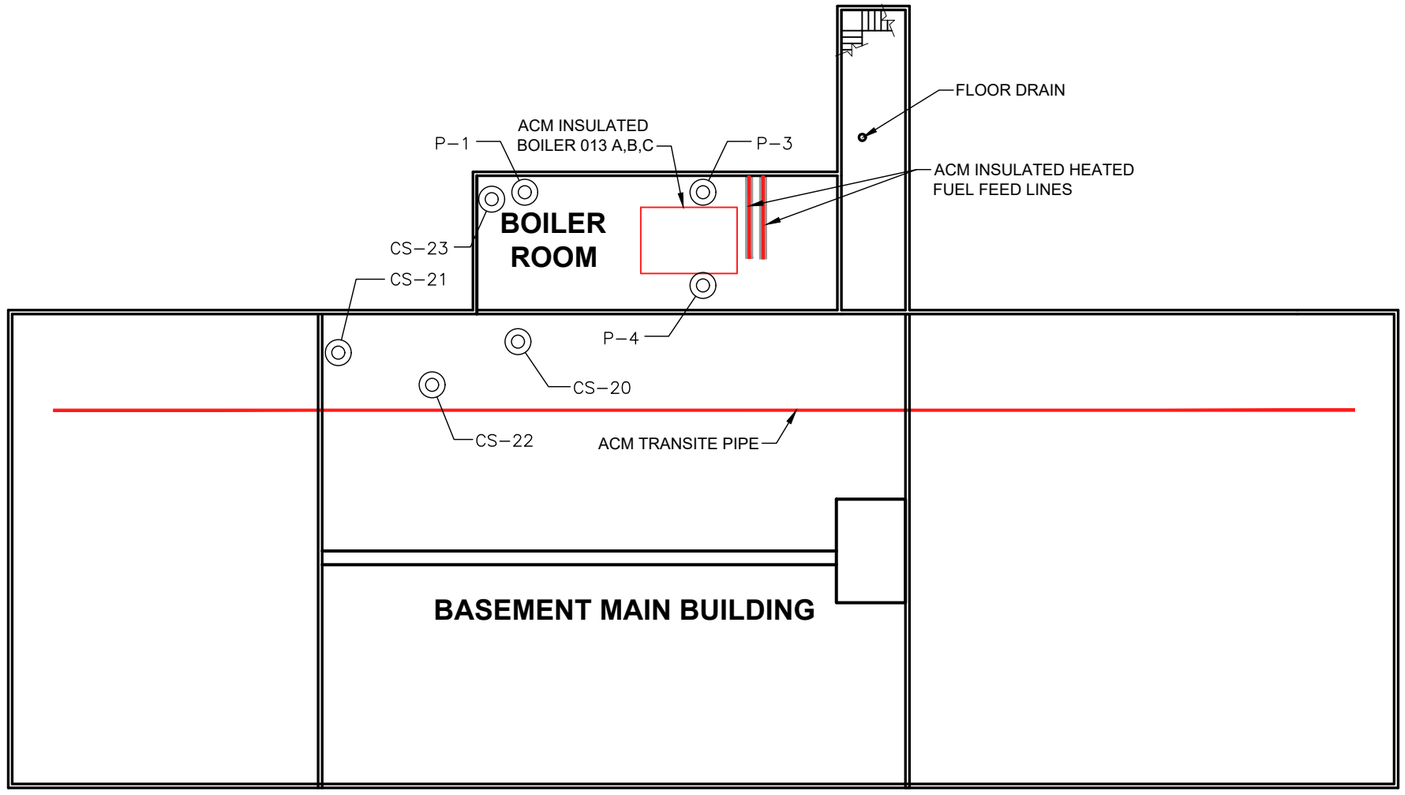
	SCALE: NTS	CHECKED BY:	ISSUE DATE:		

NOTE:
OIL STAINING MAY BE PRESENT THROUGHOUT THE BUILDING



BASEMENT

NOTE: PIPE/ACM LOCATIONS APPROXIMATE

LEGEND

- ACM PIPE INSULATION
- ACM TRANSITE BOARD, CORRUGATED SIDING, WALL BOARD, TANK INSULATION
- X — ACM MUDDED FITTINGS ON FIBERGLASS INSULATED PIPES
- ◎ — PCB CONCENRATION IN EXCEEDANCE OF REGULATORY GUIDELINE

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: FIGURE 6	BY: AMJ	REV:	DESCRIPTION:	CES INC Engineers • Environmental Scientists • Surveyors
		DATE: 9/19/2016	REV DATE:		
SHEET TITLE: ABATEMENT PLAN BASEMENT	JN: 10193.045	APPROVED BY:	ISSUE:	DESCRIPTION:	
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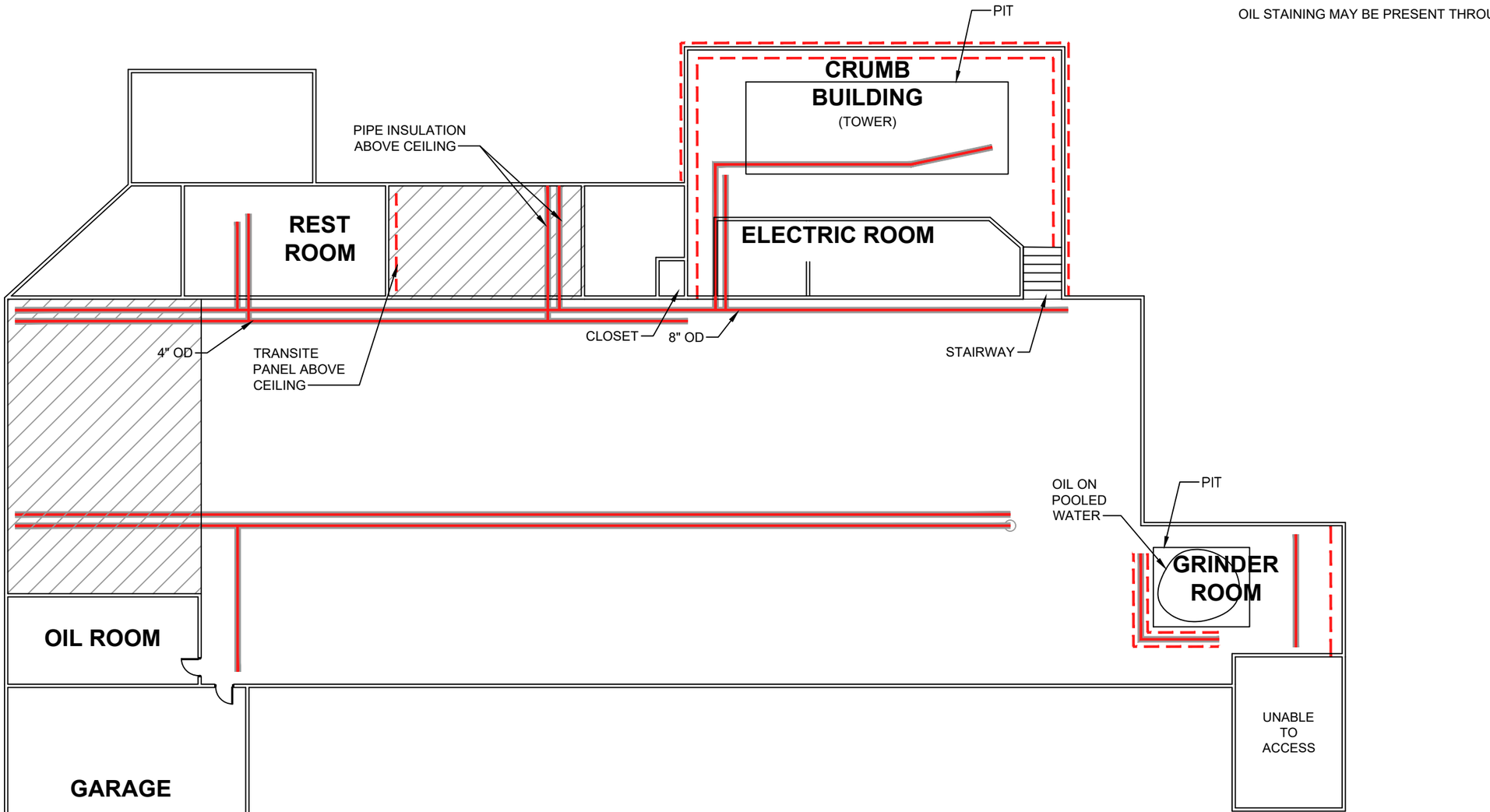
NOTE:
OIL STAINING MAY BE PRESENT THROUGHOUT THE BUILDING



GROUND FLOOR

NOTE: PIPE/ACM LOCATIONS APPROXIMATE

LEGEND

- ACM PIPE INSULATION
- ACM TRANSITE BOARD, CORRUGATED SIDING, WALL BOARD, TANK INSULATION
- X — ACM MUDDED FITTINGS ON FIBERGLASS INSULATED PIPES
- FLOOR TILE

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: FIGURE 7	BY: AMJ	REV:	DESCRIPTION:	CESINC Engineers • Environmental Scientists • Surveyors
		DATE: 9/19/2016	REV DATE:		
SHEET TITLE: ABATEMENT PLAN FIRST FLOOR	JN: 10193.045	APPROVED BY:	ISSUE:	DESCRIPTION:	
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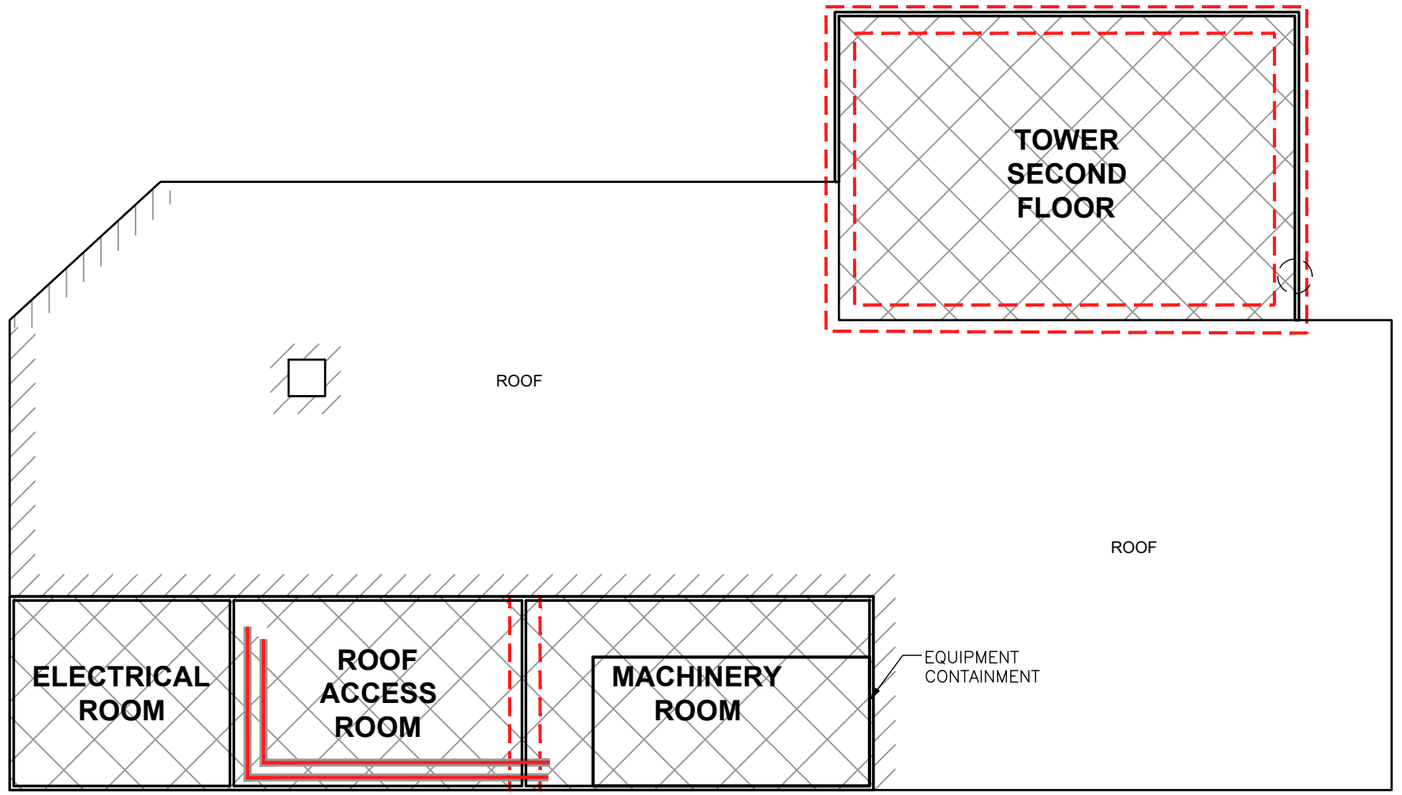
NOTE:
OIL STAINING MAY BE PRESENT THROUGHOUT THE BUILDING



SECOND FLOOR

NOTE: PIPE/ACM LOCATIONS APPROXIMATE

LEGEND

- ACM PIPE INSULATION
- TRANSITE BOARD, CORRUGATED SIDING, WALL BOARD, TANK INSULATION
- ACM TRANSITE ROOF DECK SYSTEM
- ACM ROOF FLASHING

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: FIGURE 8	BY: AMJ	REV:	DESCRIPTION:	CES INC Engineers • Environmental Scientists • Surveyors
		DATE: 9/19/2016	REV DATE:		
SHEET TITLE: ABATEMENT PLAN SECOND FLOOR	JN: 10193.045	APPROVED BY:	ISSUE:	DESCRIPTION:	
	SCALE: NTS	CHECKED BY:	ISSUE DATE:		

Tables

Table 1
Summary of Identified/Suspect Hazardous Building Materials
Chinet Groundwood Mill, Fairfield, Maine

Room Name and Number	IDENTIFIED ASBESTOS -CONTAINING MATERIALS													PCB CONTAINING MATERIALS[2]		SUSPECT LEAD BASED PAINT	
	Pipe Insulation 4-inch OD (LF)	Pipe Insulation 8-inch OD (LF)	Insulated Pipe Fitting (EA)	Roofing Flashing (SF)	Roof Deck System (SF)	Built Up Roof (SF)	Boiler Insulation (SF)	Fire Doors (EA)	Interior Transite Wall Panels (SF)	Transite Wallboard (SF)	Corrugated Transite Wall (SF)	Transite Pipe (LF)	ACM Floor Tile With Non-ACM Adhesive (SF)	Stained Concrete (SF)	Paints and Coatings (SF)	1. Light Green Paint (SF) 2. Dark Green Paint (SF) 3. Gray Equipment Paint (SF) 4. Yellow Railing Paint (SF) 5. Brown Paint (SF) 6. Red Paint on Fire Suppression System (SF)	Comment[1]
MAIN BUILIDING FIRST FLOOR																	
Restroom													400				
Main Area and above Office Ceiling	395																
Main Area		75	10					4									
Old Grinder Room Above Office Ceilings										680							
MAIN BUILDING SECOND FLOOR																	
Roof Access Room	130																
Roof Access Room & Mechanical Room								2		360							
Roofing				600	4400	4400											Deck consists of two layers of 1/2 inch thick transite sheeting sandwiching a layer of corlrugated transite roof decking. Built up roof assumed ACM. Remove with decking.
MAIN BUILDING BASEMENT																	
Boiler Room	50		10				340							50	3700		
Main Basement												105		150			
TOWER																	
First Floor	210								3760	150	260						
Second Floor									5350								
Roof					2970	2970											Double layer roof deck - corrugatet transite and sheet transite board
Siding											9450						
Sub Total	**785**	**75**	**20**	**600**	**7,370**	**7,370**	**340**	**6**	**9,110**	**1,190**	**9,710**	**105**	**400**	**200**	**3,700**		

1. Condition of identified material(s) is good unless otherwise noted.
2. Exceeding TSCA standards for substrate as defined by 40 CFR 761.61(a)(4)(i)(A) or for bulk product as defined by 40 CFR 761.3

LF = Linear Foot
SF = Square Foot
CY = Cubic Yard
EA = Each

TABLE 2 - CAULK ANALYTICAL RESULTS			
	CK-01	CK-02	TSCA
Date	**8/30/2016**	**8/30/2016**	
	mg/kg	**mg/kg**	**mg/kg**
Aroclor 1016	<0.606	<0.957	-
Aroclor 1221	<0.606	<0.957	-
Aroclor 1232	<0.606	<0.957	-
Aroclor 1242	<0.303	<0.478	-
Aroclor 1248	<0.606	<0.957	-
Aroclor 1254	<0.606	<0.957	-
Aroclor 1260	<0.606	<0.957	-
Aroclor 1262	<0.606	<0.957	-
Aroclor 1268	<0.303	<0.478	-
Total PCBs	ND	ND	50

Notes:

TSCA = The Toxic Substance Control Act

J = Estimated Value

BOLD = Above applicable guideline or background results

< = Below the laboratory detection limit

NS = Not sampled

mg/kg = milligrams per kilogram

- = No applicable guideline

TABLE 3- OIL ANALYTICAL RESULTS						
	OIL-01	OIL-02	OIL-03	OIL-04	OIL-05	TSCA
Date	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	
	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aroclor 1016	<0.00279	<0.0028	<0.0028	<0.00285	<0.00289	-
Aroclor 1221	<0.00279	<0.0028	<0.0028	<0.00285	<0.00289	-
Aroclor 1232	<0.00279	<0.0028	<0.0028	<0.00285	<0.00289	-
Aroclor 1242	<0.00279	<0.0028	<0.0028	<0.00285	<0.00289	-
Aroclor 1248	<0.00186	<0.00186	<0.00192	<0.0019	<0.00193	-
Aroclor 1254	<0.00279	<0.0028	<0.0028	<0.00285	<0.00289	-
Aroclor 1260	<0.00186	<0.00186	<0.00192	<0.0019	<0.00193	-
Aroclor 1262	<0.000931	<0.000933	<0.000961	<0.00095	<0.000964	-
Aroclor 1268	<0.000931	<0.000933	<0.000961	<0.00095	<0.000964	-
Total PCBs	ND	ND	ND	ND	ND	50

Notes:

TSCA = The Toxic Substance Control Act

J = Estimated Value

BOLD = Above applicable guideline or background results

< = Below the laboratory detection limit

NS = Not sampled

mg/kg = milligrams per kilogram

- = No applicable guideline

TABLE 4 - CONCRETE ANALYTICAL RESULTS													
	CS-1	CS-2	CS-3	CS-4	CS-5	CS-6	CS-7	CS-8	CS-9	CS-10	CS-11	CS-11 DUP	TSCA
Date	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	
	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aroclor 1016	<0.059	<0.0575	<0.0613	<0.0576	<0.0596	<0.0548	<0.0583	<0.114	<0.0573	<0.116	<0.0581	<0.0579	-
Aroclor 1221	<0.059	<0.0575	<0.0613	<0.0576	<0.0596	<0.0548	<0.0583	<0.114	<0.0573	<0.116	<0.0581	<0.0579	-
Aroclor 1232	<0.059	<0.0575	<0.0613	<0.0576	<0.0596	<0.0548	<0.0583	<0.114	<0.0573	<0.116	<0.0581	<0.0579	-
Aroclor 1242	<0.059	<0.0575	<0.0613	<0.0576	<0.0596	<0.0548	<0.0583	<0.114	<0.0573	<0.116	<0.0581	<0.0579	-
Aroclor 1248	<0.0393	<0.0383	<0.0409	<0.0384	<0.0397	<0.0366	<0.0389	<0.0757	<0.0382	0.0873	<0.0387	<0.0386	-
Aroclor 1254	0.0869	0.579	<0.0613	<0.0576	<0.0596	<0.0548	<0.0583	<0.114	<0.0573	<0.116	0.0701	0.0876	-
Aroclor 1260	<0.0393	0.252	<0.0409	0.0545	<0.0397	0.108	<0.0389	<0.0757	<0.0382	<0.077	<0.0387	0.0425	-
Aroclor 1262	<0.0197	<0.0192	<0.0204	<0.0192	<0.0199	<0.0183	<0.0194	<0.0379	<0.0191	<0.0385	<0.0194	<0.0193	-
Aroclor 1268	<0.0197	<0.0192	<0.0204	<0.0192	<0.0199	<0.0183	<0.0194	<0.0379	<0.0191	<0.385	<0.0194	<0.0198	-
Total PCBs	0.0869	0.831	ND	0.0545	ND	0.108	ND	ND	ND	0.0873	0.0701	0.13	1

	CS-12	CS-13	CS-14	CS-15	CS-16	CS-17	CS-18	CS-20	CS-21	CS-22	CS-22 DUP	CS-23	TSCA
Date	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	
	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aroclor 1016	<0.0646	<0.0614	<0.058	<0.0594	<0.0583	<0.0606	<0.0609	<0.295	<1.21	<0.0612	<0.0596	<0.0586	-
Aroclor 1221	<0.0646	<0.0614	<0.058	<0.0594	<0.0583	<0.0606	<0.0609	<0.295	<1.21	<0.0612	<0.0596	<0.0586	-
Aroclor 1232	<0.0646	<0.0614	<0.058	<0.0594	<0.0583	<0.0606	<0.0609	<0.295	<1.21	<0.0612	<0.0596	<0.0586	-
Aroclor 1242	<0.0646	0.154	<0.058	<0.0594	<0.0583	<0.0606	<0.0609	<0.295	<1.21	<0.0612	<0.0596	<0.0586	-
Aroclor 1248	<0.0431	<0.041	<0.0386	<0.0396	<0.0389	<0.0404	<0.0406	<0.197	<0.809	<0.0408	<0.0397	<0.0391	-
Aroclor 1254	<0.0646	0.271	<0.058	<0.0594	<0.0583	<0.0606	<0.0609	**1.72**	**10.4**	0.944	0.699	**1.38**	-
Aroclor 1260	<0.0431	0.113 P	<0.0386	<0.0396	<0.0389	<0.0404	<0.0406	0.651	<0.809	0.124	0.202 P	**1.48**	-
Aroclor 1262	<0.0215	<0.0205	<0.0193	<0.0198	<0.0194	<0.0202	0.274	<0.0984	<0.404	<0.0204	<0.0199	<0.0195	-
Aroclor 1268	<0.0215	<0.0205	<0.0193	<0.0198	<0.0194	<0.0202	<0.0203	<0.0984	<0.404	<0.0204	<0.0199	0.890 P	-
Total PCBs	ND	0.538	ND	ND	ND	ND	0.274	**2.37**	**10.4**	**1.07**	0.901	**3.75**	1

	CS-24	CS-25A	CS-25B	CS-25C	CS-26A	CS-26B	CS-26C	TSCA
Date	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	
	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aroclor 1016	<0.0555	<0.0523	<0.0558	<0.0582	<0.0563	<0.0562	<0.0586	-
Aroclor 1221	<0.0555	<0.0523	<0.0558	<0.0582	<0.0563	<0.0562	<0.0586	-
Aroclor 1232	<0.0555	<0.0523	<0.0558	<0.0582	<0.0563	<0.0562	<0.0586	-
Aroclor 1242	<0.0555	<0.0523	<0.0558	<0.0582	<0.0563	<0.0562	<0.0586	-
Aroclor 1248	<0.0370	<0.0349	<0.0372	<0.0388	<0.0375	<0.0375	<0.0391	-
Aroclor 1254	0.0605	<0.0523	<0.0558	<0.0582	<0.0563	<0.0562	<0.0586	-
Aroclor 1260	<0.0370	<0.0349	<0.0372	<0.0388	<0.0375	<0.0375	<0.0391	-
Aroclor 1262	<0.0185	<0.0174	<0.0186	<0.0194	<0.0188	<0.0187	<0.0195	-
Aroclor 1268	<0.0185	<0.0174	<0.0186	<0.0194	<0.0188	<0.0187	<0.0195	-
Total PCBs	0.0605	ND	ND	ND	ND	ND	ND	1

Notes:

TSCA = The Toxic Substance Control Act

J = Estimated Value

P = The RPD between the results for the two columns exceeds the method-specified criteria

I = The lower value for the two columns has been reported due to obvious interference

BOLD = Above applicable guideline or background results

< = Below the laboratory detection limit

NS = Not sampled

mg/kg = milligrams per kilogram

- = No applicable guideline

TABLE 3 - SOIL/SEDIMENT ANALYTICAL RESULTS										
	SD-01	SD-02	SS-01A	SS-01B	SS-01C	SS-02A	SS-02B	SS-02C	MDEP Soil RAGs Commercial Worker	MDEP Soil RAGs Construction Worker
Depth	0-2 FT.	0-2 FT.	0-2 FT.	0-2 FT.	0-2 FT.	0-2 FT.	0-2 FT.	0-2 FT.		
Date	8/30/2016	8/30/2016	8/30/2016	8/30/2016	8/30/2016	8/30/2016	8/30/2016	8/30/2016		
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aroclor 1016	<0.0296	<0.123	<0.0214	<0.0234	<0.026	<0.0224	<0.0213	<0.0213	-	-
Aroclor 1221	<0.0296	<0.123	<0.0214	<0.0234	<0.026	<0.0224	<0.0213	<0.0213	-	-
Aroclor 1232	<0.0296	<0.123	<0.0214	<0.0234	<0.026	<0.0224	<0.0213	<0.0213	-	-
Aroclor 1242	<0.0296	<0.123	<0.0214	<0.0234	<0.026	<0.0224	<0.0213	<0.0213	-	-
Aroclor 1248	<0.0197	<0.0822	<0.0143	<0.0156	<0.0174	<0.015	<0.0142	<0.0142	-	-
Aroclor 1254	0.0557	1.19	<0.0214	<0.0234	<0.026	<0.0224	<0.213	<0.0213	-	-
Aroclor 1260	<0.0197	0.26 PI	<0.0143	<0.0156	<0.0174	<0.015	<0.0142	<0.0142	-	-
Aroclor 1262	<0.00987	<0.0411	<0.00713	<0.00781	<0.00868	<0.00749	<0.0071	<0.00711	-	-
Aroclor 1268	<0.00987	<0.0411	<0.00713	<0.00781	<0.00868	<0.00749	<0.0071	<0.00711	-	-
Total PCBs	0.0557	1.45	ND	ND	ND	ND	ND	ND	12	6.5

Notes:

TSCA = The Toxic Substance Control Act

J = Estimated Value

P = The RPD between the results for the two columns exceeds the method-specified criteria

I = The lower value for the two columns has been reported due to obvious interference

BOLD = Above applicable guideline or background results

< = Below the laboratory detection limit

NS = Not sampled

mg/kg = milligrams per kilogram

- = No applicable guideline

TABLE 6 - PAINT ANALYTICAL RESULTS					
	P-1 PAINT CHIPS	P-2 PAINT CHIPS	P-3 PAINT CHIPS	P-4 PAINT CHIPS	TSCA
Date	**8/30/2016**	**8/30/2016**	**8/30/2016**	**8/30/2016**	
	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aroclor 1016	<309	<3.05	<152	<156	-
Aroclor 1221	<309	<3.05	<152	<156	-
Aroclor 1232	<309	<3.05	<152	<156	-
Aroclor 1242	<309	<3.05	<152	<156	-
Aroclor 1248	<206	<2.03	<101	<104	-
Aroclor 1254	**3,950**	29.20	**3,080**	**1,710**	-
Aroclor 1260	<206	<2.03	<101	<104	-
Aroclor 1262	<103	<1.02	<50.6	<52.2	-
Aroclor 1268	<103	<1.02	<50.6	<52.2	-
Total PCBs	**3,950**	29.2	**3,080**	**1,710**	50

Notes:

TSCA = The Toxic Substance Control Act

J = Estimated Value

BOLD = Above applicable guideline or background results

< = Below the laboratory detection limit

NS = Not sampled

mg/kg = milligrams per kilogram

- = No applicable guideline

TABLE 7 - FIELD BLANK ANALYTICAL RESULTS				
	FB-1	FB-2	FB-3	TSCA
	BEFORE SAMPLING	TROWEL SOIL SAMPLING	DRILL BIT AFTER SAMPLING SUBSTRATE	
Date	**8/30/2016**	**8/30/2016**	**8/30/2016**	
	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**
Aroclor 1016	<0.00025	<0.00025	<0.00025	-
Aroclor 1221	<0.00025	<0.00025	<0.00025	-
Aroclor 1232	<0.00025	<0.00025	<0.00025	-
Aroclor 1242	<0.00025	<0.00025	<0.00025	-
Aroclor 1248	<0.00025	<0.00025	<0.00025	-
Aroclor 1254	<0.00025	<0.00025	<0.00025	-
Aroclor 1260	<0.00025	<0.00025	<0.00025	-
Aroclor 1262	<0.00025	<0.00025	<0.00025	-
Aroclor 1268	<0.00025	<0.00025	<0.00025	-
Total PCBs	ND	ND	ND	50

Notes:

TSCA = The Toxic Substance Control Act

J = Estimated Value

BOLD = Above applicable guideline or background results

< = Below the laboratory detection limit

NS = Not sampled

mg/kg = milligrams per kilogram

- = No applicable guideline

Appendix A

PREVIOUS REPORTS

January 27, 2016

Mr. Benjamin Guidi
Maine Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017

Re: Potential Hazardous Building Materials Inventory | Former Chinet Groundwood Mill 69 Kennebec Street, Shawmut Village, Fairfield, Maine

Dear Mr. Guidi:

At the request of the MEDEP, CES completed an inventory of Potential Hazardous Building Materials (PHBMI) located at the Former Chinet Groundwood Mill property located at 69 Kennebec Street in Shawmut Village, Fairfield, Maine. The work was conducted on December 28, 2015.

The work was completed in conjunction with site reconnaissance for a Phase I ESA, completed under separate cover by CES. Physical sampling of identified building materials was not included in the scope of work identified for this project phase.

BACKGROUND

The Site consists of a 26.6 acre parcel of land historically operated as the Chinet Groundwood Mill located at 69 Kennebec Street in Shawmut Village, Fairfield, Maine.

The Groundwood Mill building was constructed in stages between 1930 and 1960. The Groundwood Mill housed the main wood processing equipment and office space. The Mill is irregularly shaped in the general form of a rectangle. The entire Groundwood Mill (in 1978) occupied approximately 50,246 square feet (ft^2). Approximately 30,924 ft^2 was at ground level. An additional approximately 13,528 ft^2 was below ground (basement) and approximately 5,794 ft^2 of space was on a second floor level in two separate locations.

In the middle to late 1990's, after the facilities ceased operations approximately 11,846 ft^2 of the main processing building, approximately 9,446 ft^2 on the ground floor and 2,400 ft^2 from the basement level were demolished. The portion demolished was the south-end of the Mill (1930 and 1955 construction dates). In addition, the garage was demolished. The exact dates of demolition are unknown. Two inquiries to Chinet Company personnel resulted in two different dates. One approximate date was "sometime between 1995 and 1996" (before the asbestos containing materials survey and report). The second date was "after the asbestos survey report submittal in 1997". Grasses, bushes and shrubs have taken over most of the areas previously occupied by the demolished southern portion of the Groundwood Mill and the garages.

Six Locations in Maine | www.ces-maine.com
640 Main Street
Lewiston, Maine 04240
T 207.795.6009
F 207.795.6128

The second set of adjoining structures was the tree debarker complex located approximately 500 feet south of the Groundwood Mill. The de-barker occupied approximately 5,361 ft^2 of space at ground level. This area includes one out-building noted as the "scalers shed", a wooden structure about 10-ft by 10-ft in area. The Chinet Company had the de-barker building completely demolished including the scalers shed. The exact date of demolition was not determined. Grasses, bushes and shrubs have taken over most of the areas previously occupied by the demolished de-barker and scalers shed.

POTENTIAL HAZARDOUS BUILDING MATERIALS INVENTORY

Asbestos Containing Materials

The PHBMI included evaluation of previously confirmed Asbestos Containing Materials (ACM) listed in an ACM Assessment completed by Summit Environmental Consultants, Inc. (Summit) in 2007. Materials documented in the report were identified and quantified during the Site walk. The ACM identified in the report appears to have been left undisturbed the 2007 report including identified materials quantities and locations is included as **Attachment A**. Materials not sampled in the 2007 report include drywall wallboard and roofing. The wallboard should be sampled prior to demolition activities at the Site. The roof has been determined to be unsafe, roofing materials overlay ACM roof decking and should be removed with the decking and disposed of as ACM.

Polychlorinated Biphenyls

Potential Polychlorinated Biphenyl (PCB) containing oils and materials were observed in several areas of the building. Open oil containers were present in the electrical room adjacent to the grinding room. An oil filled transformer was also present in the room. Staining was observed throughout the structure, due to poor lighting and water infiltration a source and type of staining (oil or water) could not be identified during the Site walk. Provisions have been made within the summary tables to sample any oil staining that may be present within the structure. A bare concrete pad was observed approximately 500 feet south of the main structure. The former use of the pad is unknown however it is suspected to have been used as either a generator pad or a transformer pad due to electrical equipment located on a separate pad 50 feet to the east of the bare pad. Concrete samples and surficial soil samples should be collected from this area and tested for PCBs.

Lead-Based Paint

Due to the age of the structure it is likely Lead-Based Paint (LBP) was used to coat walls and or ceilings during operation. At a minimum six distinct colors of paint were present within the structure. Underlying paint colors or types were not observed during the Site walk. Analysis of paint throughout the structure should be performed prior to commencement of demolition activities.

Floor Drain

A floor drain was observed below the grinding room in the hallway leading to the basement. Also a full length floor trench was observed within the basement. Floor trenches and floor drains provide a potential conduit for liquid hazardous materials. Residues of any hazardous materials which may have spilled into the drainage area served by the floor trench or floor drain may still be present. A sample of any sludge and a sample of concrete should be taken from within the floor drain and floor trench area. These samples should be analyzed for PCBs, EPH and VPH.

Universal Waste

Universal waste in the form of emergency light batteries, fluorescent light fixtures which may have PCB containing light ballasts and fluorescent light tubes were observed within the building, prior to demolition these items must be removed and properly disposed.

A summary of materials identified during this inventory, quantities, locations, as well as the number of estimated samples and appropriate laboratory method to determine if the identified materials are contaminated are included in **Tables 1 through 3 and Figures 1 through 3**.

Please contact either of the undersigned at (207)795-6009 with any questions related to this report.

Brett Deyling, PE
Project Engineer

John K. Cressey, CG
Senior Project Manager

BMD/JKC/jna

Table 1
Summary of Identified/Suspect Hazardous Building Materials
Chinet Ground Wood Mill, Fairfield, Maine

	IDENTIFIED ASBESTOS -CONTAINING MATERIALS							SUSPECT PCB CONTAINING MATERIALS								SUSPECT LEAD BASED PAINT	
Room Name and Number	**Pipe Insulation (LF)**	**Insulated Pipe Fitting (EA)**	**Roofing Materials**	**Tank Covering (SF)**	**Fire Doors (EA)**	**Transite Cementacious Panel (SF)**	**ACM Floor Tile With Non-ACM Adhesive (SF)**	**Transite Pipe (LF)**	**Sheetrock Wallboard**	**Suspended Ceiling Tile (1x1)**	**Suspended Ceiling Tile (2x2)**	**Roof Caulking**	**Soil**	**Stained Concrete**	**Paints and Coatings**	**1. Light Green Paint (SF) 2. Dark Green Paint (SF) 3. Gray Equipment Paint (SF) 4. Yellow Railing Paint (SF) 5. Brown Paint (SF) 6. Red Paint on Fire Suppression System (SF)**	**Comment[1]**
MAIN AREA FIRST FLOOR																	
Restroom							400		Walls							3 (300)	Poor Condition
Main Area and above Office Ceiling	470																
Main Area		10												6		1 (9,000); 2 (3,600); 4 (100); 5 (240)	
Old Grinder Room Above Office Ceilings						680										1 (1,400); 2 (1,040)	
Main Area					4												
MAIN AREA SECOND FLOOR																	
Roof Access Room	130																
Roof Deck System						4400											
Roof Access Room & Mechanical Room						360								6	3	1 (1,000)	
Second Floor					2												
Roofing			7970									3					
BASEMENT																	
Boiler Room	50	10		340										3		1 (1,250)	
Main Basement								105					3	3		4 (200); 6 (500)	
TOWER																	
First Floor	210					4170								6	3	1 (3,900); 2 (1,630); 4 (100)	Poor Condition Debris on Floor Throughout
Second Floor						8320										1 (5,900); 2 (1,630); 3 (1,000); 4 (100)	
Roof			2970														
Siding						9450											
Wood Pulp Tank				1050													
EXTERIOR																	
Shed						100								3			Transite in Corner 2 x8" Transite Couplings
Grounds													6	6			
Sub Total - Basement	**860**	**20**	**10,940**	**1,390**	**6**	**27,480**	**400**	**105**				**3**	**9**	**33**	**6**		

1. Condition of identified material(s) is good unless otherwise noted.

LF = Linear Foot
SF = Square Foot
CY = Cubic Yard
EA = Each

TABLE 2
SUSPECT HAZARDOUS MATERIALS
ESTIMATED SAMPLE NUMBERS
CHINET GROUND WOOD MILL - FAIRFIELD, MAINE

Material Type	Estimated Number of Samples to Be Collected						Comment
	PLM	NOB	Lead-Based Paint (surfaces)[2]	PCB Roof Caulking (EA)[3]	Suspect PCB Oils (EA)[3]	PCB Paints and Coatings (EA)[3]	
Sheetrock (EA)[1]	6						Restroom
Caulking (Ea)[1]		6					Window glazing if present
Throughout Interior			74				
Paints and coatings						6	Basement Boiler Room
Exterior			20				
Caulking (Ea)[3]				3			Roofing
Electrical Room (Ea)3					5		
Throughout Interior					27		Oil Stained Concrete
Exterior Concrete Surfaces					6		Former transformer pad Slab in Shed
Surficial Soils					6		Around Former Transformer Pad
Floor Drain Residuals					3		Sample for VPH, EPH, and PCBs
Total Samples	**6**	**6**	**94**	**3**	**44**	**6**	

NOTES:
EA - Each

1) Asbestos samples will be analyzed for 'PLM-EPA 600/R-93/116" (for surfacing, thermal system insulation and cementitious materials) and "PLM NOB-EPA 600/R-93/116" (for non-friable organically bound materials (NOBs))

2) Lead-based Paint testing was conducted utilizing a portable X-Ray Fluorescence (XRF) Lead Paint Analyzer

3) Suspect PCB Materials will be analyzed via EPA SW-846 Method 8082

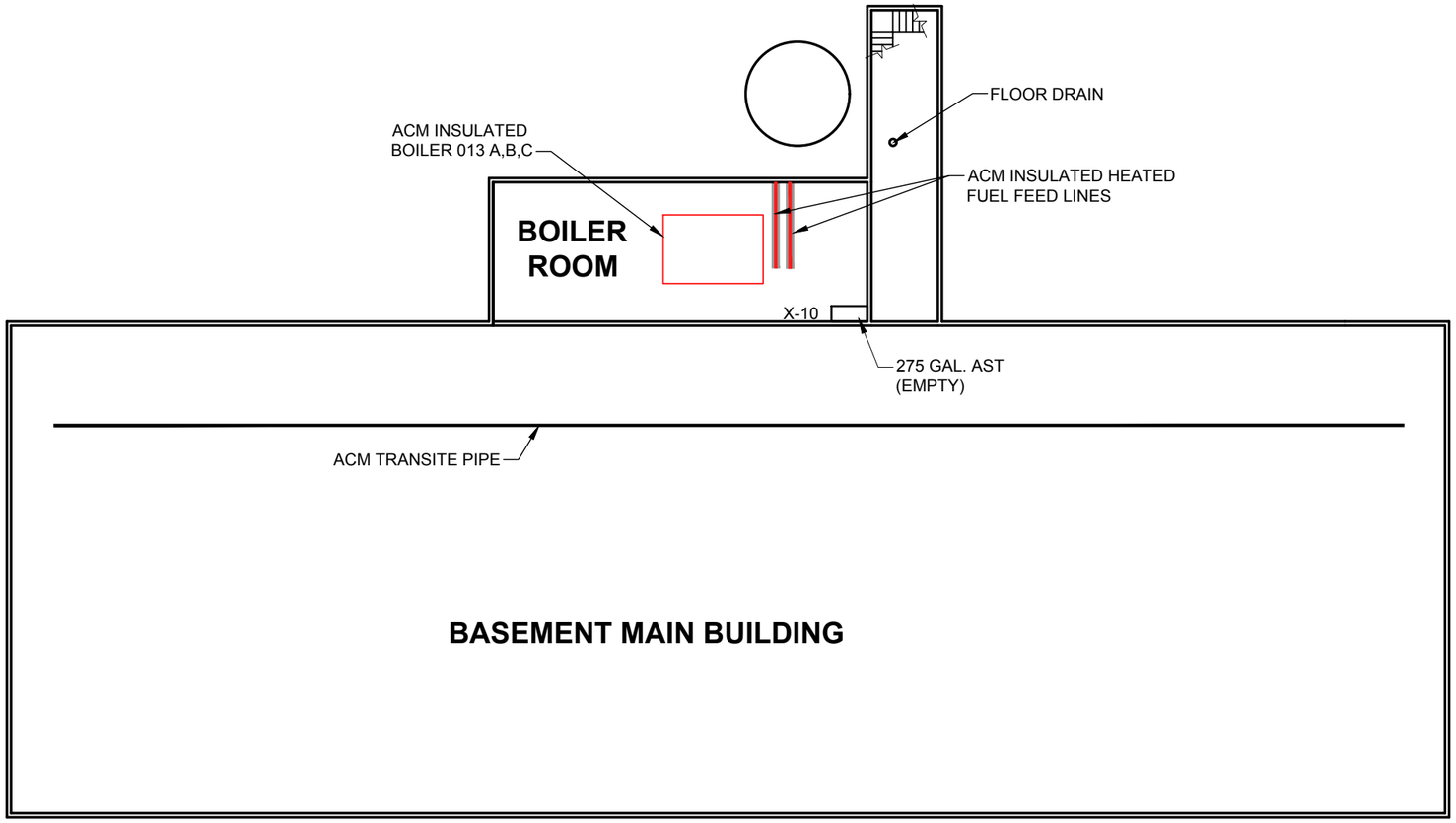
Note:
SF = Square Feet
LF = Linear Feet
EA = Each

TABLE 3
POTENTIAL HAZARDOUS MATERIALS INVENTORY

Identified Hazardous Materials	Quantity (Each)	Quantity Per Unit	Total Estimated Quantity
CHINET GROUND WOOD MILL			
Fluorescent Light Tubes - 10 foot	1	10 LF/EA	10
Fluorescent Light Tubes - 4 foot	100	4 LF/EA	400
Suspect PCB-Containing Light Ballasts (EA)	50	5 lbs/EA	250
Emergency Exit Signs (EA)	2	5 lbs/EA	10
Containers of Paint	2	Gallon	2

SF = Square Feet
EA = Each
lb = Pound

NOTE:
OIL STAINING MAY BE PRESENT THROUGHOUT THE BUILDING



BASEMENT

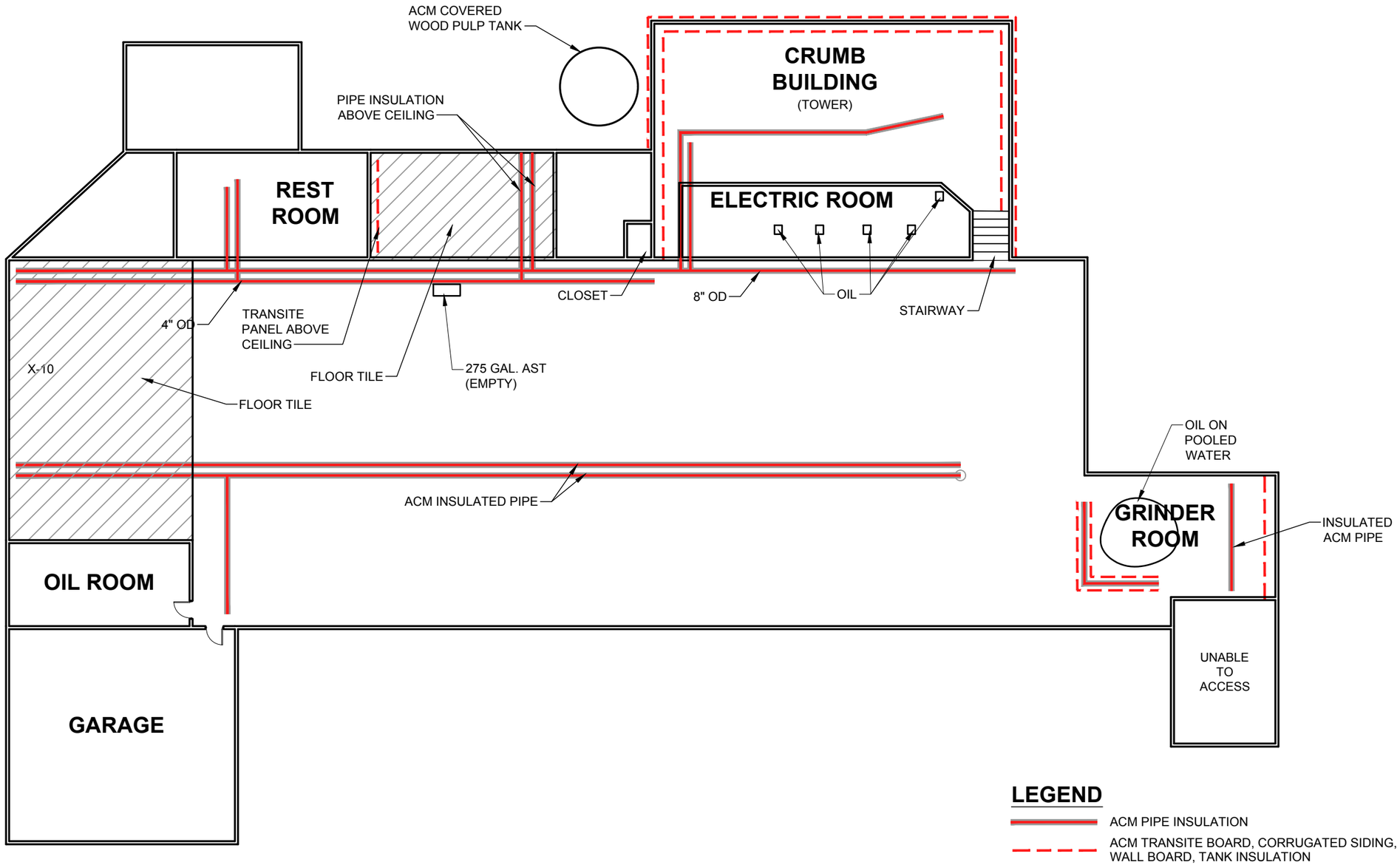
NOTE: PIPE/ACM LOCATIONS APPROXIMATE

LEGEND

- ACM PIPE INSULATION
- ACM TRANSITE BOARD, CORRUGATED SIDING, WALL BOARD, TANK INSULATION
- X — ACM MUDDED FITTINGS ON FIBERGLASS INSULATED PIPES

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: SK101	BY: BTH	REV:	DESCRIPTION:	CES INC Engineers • Environmental Scientists • Surveyors
		DATE: 1/11/2016	REV DATE:		
SHEET TITLE: BASEMENT FLOOR PLAN	JN: 10193.040	APPROVED BY:	ISSUE:	DESCRIPTION:	
	SCALE: NTS	CHECKED BY:	ISSUE DATE:		

NOTE:
OIL STAINING MAY BE PRESENT THROUGHOUT THE BUILDING



GROUND FLOOR

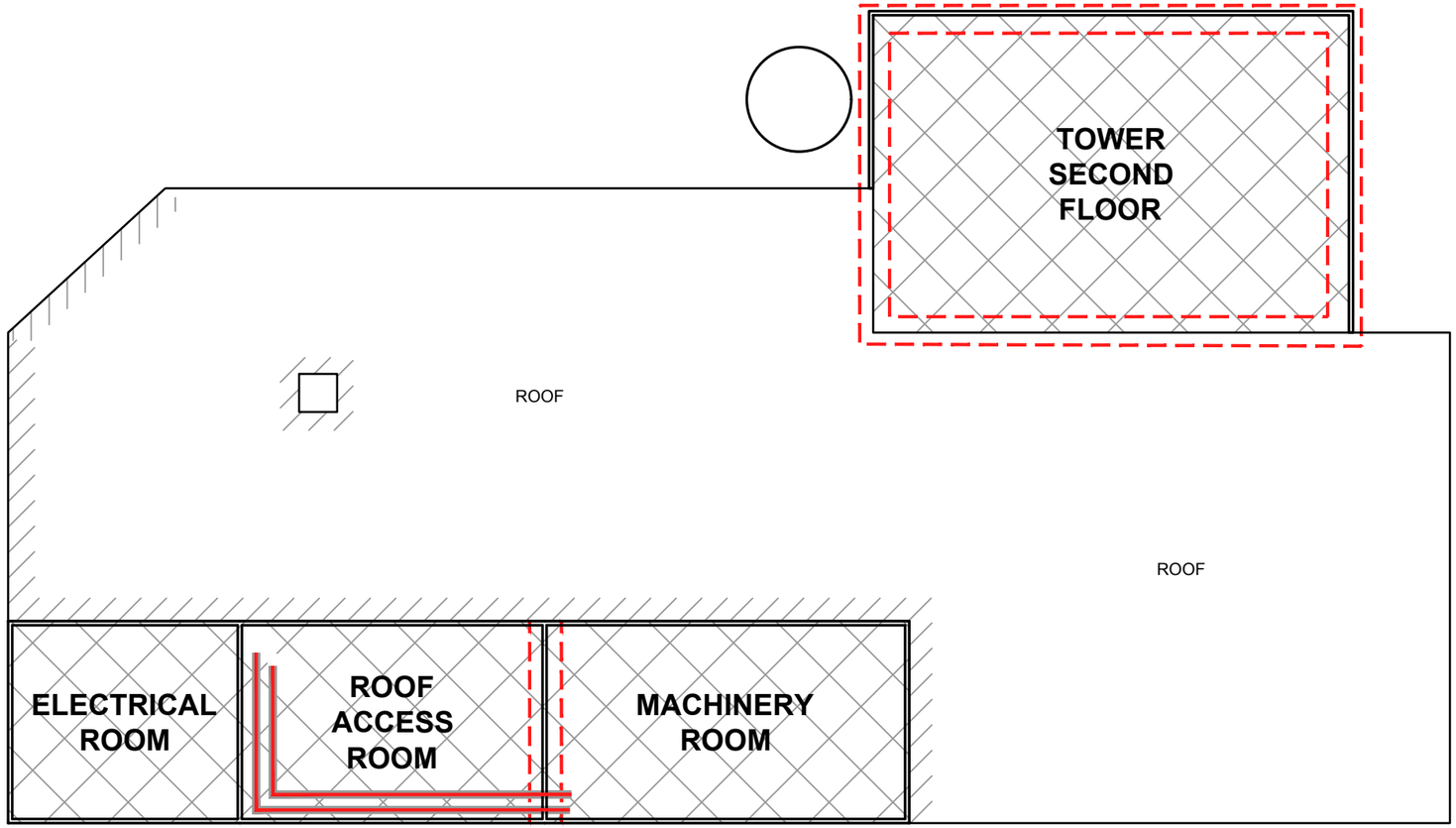
NOTE: PIPE/ACM LOCATIONS APPROXIMATE

LEGEND

- ACM PIPE INSULATION
- ACM TRANSITE BOARD, CORRUGATED SIDING, WALL BOARD, TANK INSULATION
- X — ACM MUDDED FITTINGS ON FIBERGLASS INSULATED PIPES

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: SK102	BY: BTH	REV:	DESCRIPTION:	CES INC Engineers • Environmental Scientists • Surveyors
		DATE: 1/11/2016	REV DATE:		
SHEET TITLE: GROUND FLOOR PLAN	JN: 10193.040	APPROVED BY:	ISSUE:	DESCRIPTION:	
	SCALE: NTS	CHECKED BY:	ISSUE DATE:		

NOTE:
OIL STAINING MAY BE PRESENT THROUGHOUT THE BUILDING



SECOND FLOOR

NOTE: PIPE/ACM LOCATIONS APPROXIMATE

LEGEND

- ACM PIPE INSULATION
- TRANSITE BOARD, CORRUGATED SIDING, WALL BOARD, TANK INSULATION
- ACM TRANSITE ROOF DECK SYSTEM
- ACM ROOF FLASHING

PROJECT TITLE: CHINET GROUNDWOOD MILL FAIRFIELD, MAINE	DWG: SK103	BY: BTH	REV:	DESCRIPTION:	CES INC Engineers • Environmental Scientists • Surveyors
		DATE: 1/11/2016	REV DATE:		
SHEET TITLE: SECOND FLOOR PLAN	JN: 10193.040	APPROVED BY:	ISSUE:	DESCRIPTION:	
	SCALE: NTS	CHECKED BY:	ISSUE DATE:		

SUMMIT

ENVIRONMENTAL CONSULTING • GEOTECHNICAL ENGINEERING • CONSTRUCTION MATERIALS TESTING

PN: 16075

January 31, 2007

Rob Holmes
Costello Dismantling, Inc.
2 Rocky Gutter Street
Middleboro, MA 02346

RE: Hazardous Materials Survey
Former Chinette Mill
Shawmut, Maine

Dear Rob:

Summit Environmental Consultants, Inc. (Summit) completed a hazardous materials survey of the former Chinette Mill in Shawmut, Maine on January 31, 2007. During the walkthrough evaluation, suspect hazardous materials and Universal Wastes within the Main Building and the "Tower" were identified and quantified. These materials and estimated removal/disposal costs include the following:

MAIN BUILDING

ESTIMATED HAZARDOUS MATERIALS QUANTITIES AND REMOVAL COSTS

Labor and Overhead	Three Mandays @ $500/Manday	$1,500.
PCB Light Ballasts	70 @ $1.00/pound (lb) @ 5 lbs. Each	$350.
Fluorescent Light Bulbs	430 Linear Feet (LF) @$0.25/LF	$108.
Mercury-containing Thermostats & Switches	20 @ $15.00/lb @ 1 lb each (assumed Mercury containing)	$300.
Machinery and Motor Oil	100 Gallons @ $4.00/gallon	$400.
Transformer (exterior) Oil	50 Gallons @ $20.00/gallon (assumed PCB containing)	$1,000.
Emergency Light Batteries	1@ $15.00/lb @ 5 lbs each	$75
Estimated Cost		**$3,733.**

CRUMB BUILDING (TOWER)

ESTIMATED HAZARDOUS MATERIALS QUANTITIES AND REMOVAL COSTS

Labor and Overhead	Two Mandays @ $500/Manday	$1,000.
PCB Light Ballasts	32 @ $1.00/pound (lb) @ 5 lbs. Each	$160.
Fluorescent Light Bulbs	180 Linear Feet (LF) @$0.25/LF	$45.
Mercury-containing Thermostats & Switches	10 @ $15.00/lb @ 1 lb each (assumed Mercury containing)	$150.
Machinery and Motor Oil	200 Gallons @ $4.00/gallon	$800.
Emergency Light Batteries	1@ $15.00/lb @ 5 lbs each	$75.
Estimated Cost		**$2,230.**

These estimates assume that all fuel oil tanks and lines were drained prior during decommissioning of the mill by Chinette.

Hazardous materials must be removed for proper disposal, prior to the building demolition. Hazardous materials removal must be performed by appropriate qualified and licensed personnel.

Please contact me at (207) 795-6009 if you have any questions related to this project or if additional services are required.

Sincerely,
SUMMIT ENVIRONMENTAL CONSULTANTS, INC.

James W. Bouquet, P.E.
Vice-President, Principal Engineer

Appendix B

ASBESTOS INSPECTOR CERTIFICATION

Environmental Management, Inc.

51 River Road
Brunswick, ME 04011
(207) 729-7549

This is to certify that:

Brett Deyling

has completed the requisite 4-hour refresher training, and has passed an examination for re-accreditation as an:

Asbestos Inspector

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646
And Maine State Regulations 06-096 CMR 425.5 (E)

January 15, 2016

1/15/2016	92	1/15/2017
Examination Date	*Test Score*	*Expiration Date*

President / Director of Training

AI-R-TP0018-16-0909
Certificate Number

State of Maine
Asbestos Abatement Program
Brett M. Deyling
Inspector
Cert No. AI-0605
Trn.Exp.Date 01/15/2017
Expiration Date 01/31/2017
This is not a legal form of official identification

Appendix C

ASBESTOS ANALYTICAL LABORATORY CERTIFICATIONS

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: 09/01/2016
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: 09/01/2016
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: 09/01/2016
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Gerald R Schultz

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 10/31/2014

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**
Issue Date: 10/31/2014

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

Field of Testing (FoT)	Method	Method Description *(for internal methods only)*
Paint	EPA SW-846 3050B	
	EPA SW-846 7000B	
Soil	EPA SW-846 3050B	
	EPA SW-846 7000B	
Settled Dust by Wipe	EPA SW-846 3050B	
	EPA SW-846 7000B	
Airborne Dust	NIOSH 7082	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: **100194**
Issue Date: 07/31/2012

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 02/01/1989

IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte (*for internal methods only*)
Chromatography Core	Gas Chromatography	GC/ FID	NIOSH 1003	
			NIOSH 1005	
			NIOSH 1400	
			NIOSH 1500	
			NIOSH 1550	
			NIOSH 1603	
			NIOSH 2000	
		GC/ECD	NIOSH 5502	
			NIOSH 5503	
			NIOSH 5510	
			OSHA 1010	
		GC/NPD	NIOSH 2551	
	GC/MS		EPA TO-15	
	Gas Chromatography (Diffusive Samplers)		NIOSH 1501	
	Ion Chromatography (IC)		NIOSH 6004	
			NIOSH 6011	
			NIOSH 7903	
			OSHA ID-214	
			OSHA ID-215	
	Liquid Chromatography	HPLC/FL	NIOSH 5506	
		HPLC/UV	NIOSH 2016	

AIHA
Laboratory Accreditation Programs, LLC

IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte (*for internal methods only*)
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009	
			OSHA ID-145	SOP LM-015
			OSHA ID-145	SOP LM-013
		FAA	NIOSH 7082	
		GFAA	NIOSH 7105	
	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300 Modified	
		ICP/AES	NIOSH 7300	
	X-ray Diffraction (XRD)		NIOSH 7500	
			OSHA ID-142	
	UV/VIS (Colorimetric)		NIOSH 6010	
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)		EPA 600/R-93/116	
	Phase Contrast Microscopy (PCM)		NIOSH 7400	
	Transmission Electron Microscopy (TEM)		EPA AHERA - 40 CFR Part 763	
			NIOSH 7402	
Miscellaneous Core	Gravimetric		NIOSH 0500	
			NIOSH 0600	
			NIOSH 5524	
	Thermo-optical Analysis (TOA)		NIOSH 5040	

The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- ✓ AIHA-PAT Programs, LLC IHPAT Metals
- ✓ AIHA-PAT Programs, LLC IHPAT Organic Solvents
- ✓ AIHA-PAT Programs, LLC IHPAT Silica
- ✓ AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (3M)
- ❑ AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (SKC)
- ❑ AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (AT)
- ✓ AIHA-PAT Programs, LLC IHPAT Asbestos
- ❑ AIHA-PAT Programs, LLC Bulk Asbestos (BAPAT)
- ❑ AIHA-PAT Programs, LLC Beryllium (BePAT)
- ✓ HSE Workplace Analytical Scheme for Proficiency (WASP) (Formaldehyde)
- ❑ HSE Workplace Analytical Scheme for Proficiency (WASP) (Thermal Desorption Tubes)
- ❑ Pharmaceutical Round Robin
- ❑ Compressed/Breathing Air Round Robin
- ✓ National Voluntary Laboratory Accreditation Program (NVLAP - determined at the time of site assessment)
- ❑ New York State Department of Health (NYS DOH – PCM and TEM)
- ✓ ERA Air and Emissions standards for indoor air quality
- ❑ Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, formerly BGIA)
- ❑ Institut de Recherche Robert-Sauvé en Santé et en Sécurité du Travail (IRSST)

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 500094-0

EMSL Analytical, Inc.

South Portland, ME

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-10-01 through 2016-09-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
161 John Roberts Road
South Portland, ME 04106
Mr. Alex Maxinoski
Phone: 207-517-6921 Fax: 207-517-6922
Email: amaxinoski@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS — NVLAP LAB CODE 500094-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

State of Maine
Department of Environmental Protection

LICENSE

EMSL Analytical, Inc.

Asbestos Analytical Laboratory
(Bulk)

License Number: LB-0039

Expiration Date: 10/31/2016

State of Maine
Department of Environmental Protection

LICENSE

EMSL Analytical, Inc.

Asbestos Analytical Laboratory
(Air)

License Number: LA-0038

Expiration Date: 10/31/2016

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE
GOVERNOR

AVERY T. DAY
Acting COMMISSIONER

October 28, 2015

Attn: Bonnie Soules, QA Administrator
EMSL Analytical, Inc.
24 West Steuben St., Ste. 102
Bath, NY 14810

Dear Ms. Soules,

This is to confirm that the Maine Department of Environmental Protection is in receipt of your request to add the following labs to your licensing of Analytical Laboratories: Buffalo, New York; New York, New York; Carle Place, New York; Wallingford, CT; Piscataway, New Jersey, Woburn, MA. Salem, NH and South Portland, Maine.

LA-0038 for Asbestos Analytical Laboratory (Air), expires on 10/31/2016
LB-0039 for Asbestos Analytical Laboratory (Bulk), expires on 10/31/2016

Remember each laboratory must have certified individual(s) within the lab to perform analyses.

If you need any further assistance please feel free to contact me a t (207) 287-7751 or e-mail at sandy.j.moody@maine.gov.

Sincerely,

Sandra J. Moody, Environmental Technician
Division of Remediation
Bureau of Remediation and Waste Management

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04679-2094
(207) 764-0477 FAX: (207) 760-3143

web site: www.maine.gov/dep

EMPLOYEE (INDIVIDUAL) STATE CERTIFICATIONS

November 9, 2015

Employee Name	*Lab Location*	*State Certified*	*Certification No.*	*Type of Cert.*	*Exp. Date*
Desiree Lunt	Portland	Maine	BA0166	Bulk Asbestos Analyst	02/28/2016

EMPLOYEE (INDIVIDUAL) STATE CERTIFICATIONS

State of Maine

March 12, 2015

Employee Name	*Lab Location*	*State Certified*	*Certification No.*	*Type of Cert.*	*Exp. Date*
Alex Maxinoski	Portland	Maine	BA-0150	Bulk Asbestos Analyst	12/31/2015
Leslie McCluskey-Eissing	Portland	Maine	AA-0449	Air Asbestos Analyst	06/30/2015
Leslie McCluskey-Eissing	Portland	Maine	BA-0123	Bulk Asbestos Analyst	06/30/2015
Joshua Snyder	Portland	Maine	BA-0155	Bulk Asbestos Analyst	08/31/2015
Christina Walker	Portland	Maine	AA-0439	Air Asbestos Analyst	07/31/2015
Christina Walker	Portland	Maine	BA-0142	Bulk Asbestos Analyst	07/31/2015

Appendix D

ASBESTOS LABORATORY ANALYTICAL RESULTS

OrderID: 041624542

EMSL Analytical, Inc.
161 John Roberts Road

South Portland, ME 04106
PHONE: (207) 517-6921
FAX: (207) 517-6922

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(Lab Use Only)*: 041624542

Company : CES, Inc.	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 640 Main Street	
City: Lewiston **State/Province:** ME	**Zip/Postal Code:** 04240 **Country:** US
Report To (Name): Brett Deyling	**Telephone #:** 2077956009
Email Address: bdeyling@ces-maine.com	**Fax #:** 2077956128 **Purchase Order:**
Project Name/Number: Chinet	**Please Provide Results:** ☐ Fax ☑ Email ☐ Mail
U.S. State Samples Taken: ME	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☑ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PLM - Bulk (reporting limit)	TEM – Bulk
☑ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☑ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☑ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:** 8/30/2016

Samplers Name: Brett Deyling **Samplers Signature:**

Sample #	HA #	Sample Location	Material Description
ACM-01A		Bathroom	drywall
ACM-01B		↓	↓
ACM-01C		↓	↓
ACM-02A		Garage	Glazing
~~ACM-02B~~			
ACM-02B		Garage	Glazing
ACM-02C		↓	↓

RECEIVED
EMSL
CINNAMINSON, NJ
16 SEP -1 AM 10:52

Client Sample # (s): ACM-01A - ACM-02C **Total # of Samples:** 12

Relinquished (Client): [signature] **Date:** 8-31-16 **Time:** 0800

Received (Lab): [signature] **Date:** 9/1/16 **Time:** 940

Comments/Special Instructions:
Positive stop, NOB by MEDEP

OBE

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID: 041624542
Customer ID: SECI78
Customer PO:
Project ID:

Attn: Brett Deyling
Summit Environmental Consultants, Inc.
640 Main Street
Lewiston, ME 04240

Phone: (207) 795-6009
Fax: (207) 795-6128
Collected: 8/30/2016
Received: 9/01/2016
Analyzed: 9/02/2016

Proj: Chinet

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: ACM-01A-Texture **Lab Sample ID:** **041624542-0001**
Sample Description: Bathroom/Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/02/2016	Tan	0%	100%	None Detected	

Client Sample ID: ACM-01A-Drywall **Lab Sample ID:** **041624542-0001A**
Sample Description: Bathroom/Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/02/2016	Brown/White	20%	80%	None Detected	

Client Sample ID: ACM-01B-Texture **Lab Sample ID:** **041624542-0002**
Sample Description: Bathroom/Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/02/2016	Tan	0%	100%	None Detected	

Client Sample ID: ACM-01B-Drywall **Lab Sample ID:** **041624542-0002A**
Sample Description: Bathroom/Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/02/2016	Brown/White	20%	80%	None Detected	

Client Sample ID: ACM-01C-Texture **Lab Sample ID:** **041624542-0003**
Sample Description: Bathroom/Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/02/2016	Tan	0%	100%	None Detected	

Client Sample ID: ACM-01C-Drywall **Lab Sample ID:** **041624542-0003A**
Sample Description: Bathroom/Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	9/02/2016	Brown/White	20%	80%	None Detected	

Client Sample ID: ACM-02A **Lab Sample ID:** **041624542-0004**
Sample Description: Garage/Glazing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/02/2016	White	0.0%	99.4%	**0.62% Chrysotile**	

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID: 041624542
Customer ID: SECI78
Customer PO:
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: ACM-02B ***Lab Sample ID:*** **041624542-0005**

Sample Description: Garage/Glazing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/02/2016	White	0.0%	99.3%	**0.73% Chrysotile**	

Client Sample ID: ACM-02C ***Lab Sample ID:*** **041624542-0006**

Sample Description: Garage/Glazing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM Grav. Reduction	9/02/2016	White	0.0%	99.7%	**0.28% Chrysotile**	

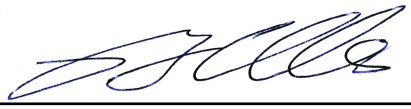
PLM: Cert# BA0134(FD) Cert# BA-0149(AG)

PLM EPA NOB: Cert# BA0134(FD) Cert# BA-0149(AG)

Analyst(s):

Adam Gart	PLM (2) PLM Grav. Reduction (1)
Frank Dicrescenzo	PLM (4) PLM Grav. Reduction (2)

Reviewed and approved by:



Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 09/02/201612:24:35

Appendix E

POLYCHLORINATED BIPHENYL (PCB) LABORATORY ANALYTICAL RESULTS

ANALYTICAL REPORT

Lab Number:	L1627414
Client:	CES, Inc 640 Main St Lewiston, ME 04240
ATTN:	David Brooks
Phone:	(207) 989-4824
Project Name:	CHINET
Project Number:	10193.045
Report Date:	09/12/16

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1627414-01	P-1	PAINT CHIPS	FAIRFIELD, ME	08/30/16 13:10	08/31/16
L1627414-02	P-2	PAINT CHIPS	FAIRFIELD, ME	08/30/16 13:20	08/31/16
L1627414-03	P-3	PAINT CHIPS	FAIRFIELD, ME	08/30/16 13:30	08/31/16
L1627414-04	P-4	PAINT CHIPS	FAIRFIELD, ME	08/30/16 13:40	08/31/16
L1627414-05	SD-01	SOIL	FAIRFIELD, ME	08/30/16 09:50	08/31/16
L1627414-06	SD-02	SOIL	FAIRFIELD, ME	08/30/16 09:55	08/31/16
L1627414-07	SS-01A	SOIL	FAIRFIELD, ME	08/30/16 10:50	08/31/16
L1627414-08	SS-01B	SOIL	FAIRFIELD, ME	08/30/16 11:00	08/31/16
L1627414-09	SS-01C	SOIL	FAIRFIELD, ME	08/30/16 11:10	08/31/16
L1627414-10	SS-02A	SOIL	FAIRFIELD, ME	08/30/16 11:50	08/31/16
L1627414-11	SS-02B	SOIL	FAIRFIELD, ME	08/30/16 12:00	08/31/16
L1627414-12	SS-02C	SOIL	FAIRFIELD, ME	08/30/16 12:10	08/31/16
L1627414-13	CK-01	CAULK	FAIRFIELD, ME	08/30/16 12:50	08/31/16
L1627414-14	CK-02	CAULK	FAIRFIELD, ME	08/30/16 13:00	08/31/16
L1627414-15	OIL-01	OIL	FAIRFIELD, ME	08/30/16 09:15	08/31/16
L1627414-16	OIL-02	OIL	FAIRFIELD, ME	08/30/16 09:20	08/31/16
L1627414-17	OIL-03	OIL	FAIRFIELD, ME	08/30/16 09:25	08/31/16
L1627414-18	OIL-04	OIL	FAIRFIELD, ME	08/30/16 09:30	08/31/16
L1627414-19	OIL-05	OIL	FAIRFIELD, ME	08/30/16 09:35	08/31/16
L1627414-20	FB-1	WATER	FAIRFIELD, ME	08/30/16 10:00	08/31/16

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	CHINET	**Lab Number:**	L1627414
Project Number:	10193.045	**Report Date:**	09/12/16

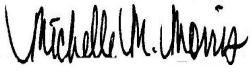
Case Narrative (continued)

PCBs

L1627414-01, -02, -03 and -04: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1627414-04: The sample has elevated detection limits due to limited sample volume available for analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 09/12/16

ORGANICS

PCBS

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-01 D
Client ID: P-1
Sample Location: FAIRFIELD, ME
Matrix: Paint Chips
Analytical Method: 1,8082A
Analytical Date: 09/12/16 12:04
Analyst: JW
Percent Solids: 97%

Date Collected: 08/30/16 13:10
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 15:15
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	309000	--	5000	A
Aroclor 1221	ND		ug/kg	309000	--	5000	A
Aroclor 1232	ND		ug/kg	309000	--	5000	A
Aroclor 1242	ND		ug/kg	309000	--	5000	A
Aroclor 1248	ND		ug/kg	206000	--	5000	A
Aroclor 1254	3950000		ug/kg	309000	--	5000	A
Aroclor 1260	ND		ug/kg	206000	--	5000	A
Aroclor 1262	ND		ug/kg	103000	--	5000	A
Aroclor 1268	ND		ug/kg	103000	--	5000	A
PCBs, Total	3950000		ug/kg	103000	--	5000	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-02 D
Client ID: P-2
Sample Location: FAIRFIELD, ME
Matrix: Paint Chips
Analytical Method: 1,8082A
Analytical Date: 09/12/16 12:18
Analyst: HT
Percent Solids: 96%

Date Collected: 08/30/16 13:20
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 15:15
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	3050	--	50	A
Aroclor 1221	ND		ug/kg	3050	--	50	A
Aroclor 1232	ND		ug/kg	3050	--	50	A
Aroclor 1242	ND		ug/kg	3050	--	50	A
Aroclor 1248	ND		ug/kg	2030	--	50	A
Aroclor 1254	29200		ug/kg	3050	--	50	B
Aroclor 1260	ND		ug/kg	2030	--	50	A
Aroclor 1262	ND		ug/kg	1020	--	50	A
Aroclor 1268	ND		ug/kg	1020	--	50	A
PCBs, Total	29200		ug/kg	1020	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: CHINET **Lab Number:** L1627414

Project Number: 10193.045 **Report Date:** 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-03 D
Client ID: P-3
Sample Location: FAIRFIELD, ME
Matrix: Paint Chips
Analytical Method: 1,8082A
Analytical Date: 09/12/16 12:34
Analyst: HT
Percent Solids: 98%

Date Collected: 08/30/16 13:30
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 15:15
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	152000	--	2500	A
Aroclor 1221	ND		ug/kg	152000	--	2500	A
Aroclor 1232	ND		ug/kg	152000	--	2500	A
Aroclor 1242	ND		ug/kg	152000	--	2500	A
Aroclor 1248	ND		ug/kg	101000	--	2500	A
Aroclor 1254	3080000		ug/kg	152000	--	2500	A
Aroclor 1260	ND		ug/kg	101000	--	2500	A
Aroclor 1262	ND		ug/kg	50600	--	2500	A
Aroclor 1268	ND		ug/kg	50600	--	2500	A
PCBs, Total	3080000		ug/kg	50600	--	2500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-04 D
Client ID: P-4
Sample Location: FAIRFIELD, ME
Matrix: Paint Chips
Analytical Method: 1,8082A
Analytical Date: 09/12/16 12:49
Analyst: HT
Percent Solids: 94%

Date Collected: 08/30/16 13:40
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 15:15
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	156000	--	1000	A
Aroclor 1221	ND		ug/kg	156000	--	1000	A
Aroclor 1232	ND		ug/kg	156000	--	1000	A
Aroclor 1242	ND		ug/kg	156000	--	1000	A
Aroclor 1248	ND		ug/kg	104000	--	1000	A
Aroclor 1254	1710000		ug/kg	156000	--	1000	A
Aroclor 1260	ND		ug/kg	104000	--	1000	A
Aroclor 1262	ND		ug/kg	52200	--	1000	A
Aroclor 1268	ND		ug/kg	52200	--	1000	A
PCBs, Total	1710000		ug/kg	52200	--	1000	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-05
Client ID: SD-01
Sample Location: FAIRFIELD, ME
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/09/16 00:14
Analyst: JA
Percent Solids: 66%

Date Collected: 08/30/16 09:50
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	29.6	--	1	A
Aroclor 1221	ND		ug/kg	29.6	--	1	A
Aroclor 1232	ND		ug/kg	29.6	--	1	A
Aroclor 1242	ND		ug/kg	29.6	--	1	A
Aroclor 1248	ND		ug/kg	19.7	--	1	A
Aroclor 1254	55.7		ug/kg	29.6	--	1	B
Aroclor 1260	ND		ug/kg	19.7	--	1	A
Aroclor 1262	ND		ug/kg	9.87	--	1	A
Aroclor 1268	ND		ug/kg	9.87	--	1	A
PCBs, Total	55.7		ug/kg	9.87	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-06 D
Client ID: SD-02
Sample Location: FAIRFIELD, ME
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/10/16 13:51
Analyst: HT
Percent Solids: 78%

Date Collected: 08/30/16 09:55
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	123	--	5	A
Aroclor 1221	ND		ug/kg	123	--	5	A
Aroclor 1232	ND		ug/kg	123	--	5	A
Aroclor 1242	ND		ug/kg	123	--	5	A
Aroclor 1248	ND		ug/kg	82.2	--	5	A
Aroclor 1254	1190		ug/kg	123	--	5	B
Aroclor 1260	260	PI	ug/kg	82.2	--	5	A
Aroclor 1262	ND		ug/kg	41.1	--	5	A
Aroclor 1268	ND		ug/kg	41.1	--	5	A
PCBs, Total	1450		ug/kg	41.1	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-07
Client ID: SS-01A
Sample Location: FAIRFIELD, ME
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/09/16 00:47
Analyst: JA
Percent Solids: 90%

Date Collected: 08/30/16 10:50
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.4	--	1	A
Aroclor 1221	ND		ug/kg	21.4	--	1	A
Aroclor 1232	ND		ug/kg	21.4	--	1	A
Aroclor 1242	ND		ug/kg	21.4	--	1	A
Aroclor 1248	ND		ug/kg	14.3	--	1	A
Aroclor 1254	ND		ug/kg	21.4	--	1	A
Aroclor 1260	ND		ug/kg	14.3	--	1	A
Aroclor 1262	ND		ug/kg	7.13	--	1	A
Aroclor 1268	ND		ug/kg	7.13	--	1	A
PCBs, Total	ND		ug/kg	7.13	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-08
Client ID: SS-01B
Sample Location: FAIRFIELD, ME
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/09/16 01:03
Analyst: JA
Percent Solids: 85%

Date Collected: 08/30/16 11:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	23.4	--	1	A
Aroclor 1221	ND		ug/kg	23.4	--	1	A
Aroclor 1232	ND		ug/kg	23.4	--	1	A
Aroclor 1242	ND		ug/kg	23.4	--	1	A
Aroclor 1248	ND		ug/kg	15.6	--	1	A
Aroclor 1254	ND		ug/kg	23.4	--	1	A
Aroclor 1260	ND		ug/kg	15.6	--	1	A
Aroclor 1262	ND		ug/kg	7.81	--	1	A
Aroclor 1268	ND		ug/kg	7.81	--	1	A
PCBs, Total	ND		ug/kg	7.81	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-09
Client ID: SS-01C
Sample Location: FAIRFIELD, ME
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/09/16 01:20
Analyst: JA
Percent Solids: 76%

Date Collected: 08/30/16 11:10
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	26.0	--	1	A
Aroclor 1221	ND		ug/kg	26.0	--	1	A
Aroclor 1232	ND		ug/kg	26.0	--	1	A
Aroclor 1242	ND		ug/kg	26.0	--	1	A
Aroclor 1248	ND		ug/kg	17.4	--	1	A
Aroclor 1254	ND		ug/kg	26.0	--	1	A
Aroclor 1260	ND		ug/kg	17.4	--	1	A
Aroclor 1262	ND		ug/kg	8.68	--	1	A
Aroclor 1268	ND		ug/kg	8.68	--	1	A
PCBs, Total	ND		ug/kg	8.68	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-10
Client ID: SS-02A
Sample Location: FAIRFIELD, ME
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/09/16 01:36
Analyst: JA
Percent Solids: 85%

Date Collected: 08/30/16 11:50
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	22.4	--	1	A
Aroclor 1221	ND		ug/kg	22.4	--	1	A
Aroclor 1232	ND		ug/kg	22.4	--	1	A
Aroclor 1242	ND		ug/kg	22.4	--	1	A
Aroclor 1248	ND		ug/kg	15.0	--	1	A
Aroclor 1254	ND		ug/kg	22.4	--	1	A
Aroclor 1260	ND		ug/kg	15.0	--	1	A
Aroclor 1262	ND		ug/kg	7.49	--	1	A
Aroclor 1268	ND		ug/kg	7.49	--	1	A
PCBs, Total	ND		ug/kg	7.49	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-11
Client ID: SS-02B
Sample Location: FAIRFIELD, ME
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/09/16 01:53
Analyst: JA
Percent Solids: 90%

Date Collected: 08/30/16 12:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.3	--	1	A
Aroclor 1221	ND		ug/kg	21.3	--	1	A
Aroclor 1232	ND		ug/kg	21.3	--	1	A
Aroclor 1242	ND		ug/kg	21.3	--	1	A
Aroclor 1248	ND		ug/kg	14.2	--	1	A
Aroclor 1254	ND		ug/kg	21.3	--	1	A
Aroclor 1260	ND		ug/kg	14.2	--	1	B
Aroclor 1262	ND		ug/kg	7.10	--	1	A
Aroclor 1268	ND		ug/kg	7.10	--	1	A
PCBs, Total	ND		ug/kg	7.10	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-12
Client ID: SS-02C
Sample Location: FAIRFIELD, ME
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/09/16 02:09
Analyst: JA
Percent Solids: 88%

Date Collected: 08/30/16 12:10
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	21.3	--	1	A
Aroclor 1221	ND		ug/kg	21.3	--	1	A
Aroclor 1232	ND		ug/kg	21.3	--	1	A
Aroclor 1242	ND		ug/kg	21.3	--	1	A
Aroclor 1248	ND		ug/kg	14.2	--	1	A
Aroclor 1254	ND		ug/kg	21.3	--	1	A
Aroclor 1260	ND		ug/kg	14.2	--	1	B
Aroclor 1262	ND		ug/kg	7.11	--	1	A
Aroclor 1268	ND		ug/kg	7.11	--	1	A
PCBs, Total	ND		ug/kg	7.11	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: CHINET **Lab Number:** L1627414

Project Number: 10193.045 **Report Date:** 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-13
Client ID: CK-01
Sample Location: FAIRFIELD, ME
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 09/07/16 20:10
Analyst: JA
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 08/30/16 12:50
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/06/16 09:15
Cleanup Method: EPA 3630
Cleanup Date: 09/07/16
Cleanup Method: EPA 3665A
Cleanup Date: 09/07/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	606	--	1	A
Aroclor 1221	ND		ug/kg	606	--	1	A
Aroclor 1232	ND		ug/kg	606	--	1	A
Aroclor 1242	ND		ug/kg	303	--	1	A
Aroclor 1248	ND		ug/kg	606	--	1	A
Aroclor 1254	ND		ug/kg	606	--	1	A
Aroclor 1260	ND		ug/kg	606	--	1	A
Aroclor 1262	ND		ug/kg	606	--	1	A
Aroclor 1268	ND		ug/kg	303	--	1	A
PCBs, Total	ND		ug/kg	303	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	114		30-150	B

Project Name: CHINET **Lab Number:** L1627414

Project Number: 10193.045 **Report Date:** 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-14
Client ID: CK-02
Sample Location: FAIRFIELD, ME
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 09/08/16 16:36
Analyst: HT
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 08/30/16 13:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/06/16 11:45
Cleanup Method: EPA 3630
Cleanup Date: 09/07/16
Cleanup Method: EPA 3665A
Cleanup Date: 09/07/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	957	--	1	A
Aroclor 1221	ND		ug/kg	957	--	1	A
Aroclor 1232	ND		ug/kg	957	--	1	A
Aroclor 1242	ND		ug/kg	478	--	1	A
Aroclor 1248	ND		ug/kg	957	--	1	A
Aroclor 1254	ND		ug/kg	957	--	1	A
Aroclor 1260	ND		ug/kg	957	--	1	A
Aroclor 1262	ND		ug/kg	957	--	1	A
Aroclor 1268	ND		ug/kg	478	--	1	A
PCBs, Total	ND		ug/kg	478	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-15
Client ID: OIL-01
Sample Location: FAIRFIELD, ME
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/08/16 10:45
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 08/30/16 09:15
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/07/16 15:58
Cleanup Method: EPA 3665A
Cleanup Date: 09/07/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.79	--	1	A
Aroclor 1221	ND		mg/kg	2.79	--	1	A
Aroclor 1232	ND		mg/kg	2.79	--	1	A
Aroclor 1242	ND		mg/kg	2.79	--	1	A
Aroclor 1248	ND		mg/kg	1.86	--	1	A
Aroclor 1254	ND		mg/kg	2.79	--	1	A
Aroclor 1260	ND		mg/kg	1.86	--	1	A
Aroclor 1262	ND		mg/kg	0.931	--	1	A
Aroclor 1268	ND		mg/kg	0.931	--	1	A
PCBs, Total	ND		mg/kg	0.931	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	142		30-150	B

Project Name: CHINET **Lab Number:** L1627414

Project Number: 10193.045 **Report Date:** 09/12/16

SAMPLE RESULTS

Lab ID:	L1627414-16	Date Collected:	08/30/16 09:20
Client ID:	OIL-02	Date Received:	08/31/16
Sample Location:	FAIRFIELD, ME	Field Prep:	Not Specified
Matrix:	Oil	Extraction Method:	EPA 3580A
Analytical Method:	1,8082A	Extraction Date:	09/07/16 15:58
Analytical Date:	09/08/16 11:01	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	09/07/16
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method:	EPA 3660B
		Cleanup Date:	09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.80	--	1	A
Aroclor 1221	ND		mg/kg	2.80	--	1	A
Aroclor 1232	ND		mg/kg	2.80	--	1	A
Aroclor 1242	ND		mg/kg	2.80	--	1	A
Aroclor 1248	ND		mg/kg	1.86	--	1	A
Aroclor 1254	ND		mg/kg	2.80	--	1	A
Aroclor 1260	ND		mg/kg	1.86	--	1	A
Aroclor 1262	ND		mg/kg	0.933	--	1	A
Aroclor 1268	ND		mg/kg	0.933	--	1	A
PCBs, Total	ND		mg/kg	0.933	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	140		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID:	L1627414-17	Date Collected:	08/30/16 09:25
Client ID:	OIL-03	Date Received:	08/31/16
Sample Location:	FAIRFIELD, ME	Field Prep:	Not Specified
Matrix:	Oil	Extraction Method:	EPA 3580A
Analytical Method:	1,8082A	Extraction Date:	09/07/16 15:58
Analytical Date:	09/08/16 11:18	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	09/07/16
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method:	EPA 3660B
		Cleanup Date:	09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.88	--	1	A
Aroclor 1221	ND		mg/kg	2.88	--	1	A
Aroclor 1232	ND		mg/kg	2.88	--	1	A
Aroclor 1242	ND		mg/kg	2.88	--	1	A
Aroclor 1248	ND		mg/kg	1.92	--	1	A
Aroclor 1254	ND		mg/kg	2.88	--	1	A
Aroclor 1260	ND		mg/kg	1.92	--	1	A
Aroclor 1262	ND		mg/kg	0.961	--	1	A
Aroclor 1268	ND		mg/kg	0.961	--	1	A
PCBs, Total	ND		mg/kg	0.961	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	116		30-150	B
Decachlorobiphenyl	150		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-18
Client ID: OIL-04
Sample Location: FAIRFIELD, ME
Matrix: Oil
Analytical Method: 1,8082A
Analytical Date: 09/08/16 11:34
Analyst: JW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 08/30/16 09:30
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3580A
Extraction Date: 09/07/16 15:58
Cleanup Method: EPA 3665A
Cleanup Date: 09/07/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.85	--	1	A
Aroclor 1221	ND		mg/kg	2.85	--	1	A
Aroclor 1232	ND		mg/kg	2.85	--	1	A
Aroclor 1242	ND		mg/kg	2.85	--	1	A
Aroclor 1248	ND		mg/kg	1.90	--	1	A
Aroclor 1254	ND		mg/kg	2.85	--	1	A
Aroclor 1260	ND		mg/kg	1.90	--	1	A
Aroclor 1262	ND		mg/kg	0.950	--	1	A
Aroclor 1268	ND		mg/kg	0.950	--	1	A
PCBs, Total	ND		mg/kg	0.950	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	145		30-150	B

Project Name: CHINET **Lab Number:** L1627414

Project Number: 10193.045 **Report Date:** 09/12/16

SAMPLE RESULTS

Lab ID:	L1627414-19	Date Collected:	08/30/16 09:35
Client ID:	OIL-05	Date Received:	08/31/16
Sample Location:	FAIRFIELD, ME	Field Prep:	Not Specified
Matrix:	Oil	Extraction Method:	EPA 3580A
Analytical Method:	1,8082A	Extraction Date:	09/07/16 15:58
Analytical Date:	09/08/16 11:51	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	09/07/16
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method:	EPA 3660B
		Cleanup Date:	09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	2.89	--	1	A
Aroclor 1221	ND		mg/kg	2.89	--	1	A
Aroclor 1232	ND		mg/kg	2.89	--	1	A
Aroclor 1242	ND		mg/kg	2.89	--	1	A
Aroclor 1248	ND		mg/kg	1.93	--	1	A
Aroclor 1254	ND		mg/kg	2.89	--	1	A
Aroclor 1260	ND		mg/kg	1.93	--	1	A
Aroclor 1262	ND		mg/kg	0.964	--	1	A
Aroclor 1268	ND		mg/kg	0.964	--	1	A
PCBs, Total	ND		mg/kg	0.964	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	123		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-20
Client ID: FB-1
Sample Location: FAIRFIELD, ME
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/07/16 13:33
Analyst: HT

Date Collected: 08/30/16 10:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 09/04/16 18:44
Cleanup Method: EPA 3665A
Cleanup Date: 09/04/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A
PCBs, Total	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	124		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/07/16 14:16
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 09/04/16 18:44
Cleanup Method: EPA 3665A
Cleanup Date: 09/04/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 20 Batch: WG928938-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.250	--	A
Aroclor 1262	ND		ug/l	0.250	--	A
Aroclor 1268	ND		ug/l	0.250	--	A
PCBs, Total	ND		ug/l	0.250	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	123		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/07/16 18:22
Analyst: JA

Extraction Method: EPA 3540C
Extraction Date: 09/06/16 09:15
Cleanup Method: EPA 3630
Cleanup Date: 09/07/16
Cleanup Method: EPA 3665A
Cleanup Date: 09/07/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 13-14 Batch: WG929034-1						
Aroclor 1016	ND		ug/kg	576	--	A
Aroclor 1221	ND		ug/kg	576	--	A
Aroclor 1232	ND		ug/kg	576	--	A
Aroclor 1242	ND		ug/kg	288	--	A
Aroclor 1248	ND		ug/kg	576	--	A
Aroclor 1254	ND		ug/kg	576	--	A
Aroclor 1260	ND		ug/kg	576	--	A
Aroclor 1262	ND		ug/kg	576	--	A
Aroclor 1268	ND		ug/kg	288	--	A
PCBs, Total	ND		ug/kg	288	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/09/16 09:17
Analyst: JW

Extraction Method: EPA 3540C
Extraction Date: 09/07/16 15:15
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 01-04 Batch: WG929456-1						
Aroclor 1016	ND		ug/kg	57.9	--	A
Aroclor 1221	ND		ug/kg	57.9	--	A
Aroclor 1232	ND		ug/kg	57.9	--	A
Aroclor 1242	ND		ug/kg	57.9	--	A
Aroclor 1248	ND		ug/kg	38.6	--	A
Aroclor 1254	ND		ug/kg	57.9	--	A
Aroclor 1260	ND		ug/kg	38.6	--	A
Aroclor 1262	ND		ug/kg	19.3	--	A
Aroclor 1268	ND		ug/kg	19.3	--	A
PCBs, Total	ND		ug/kg	19.3	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/09/16 02:26
Analyst: JA

Extraction Method: EPA 3540C
Extraction Date: 09/07/16 10:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 05-12 Batch: WG929476-1						
Aroclor 1016	ND		ug/kg	19.2	--	A
Aroclor 1221	ND		ug/kg	19.2	--	A
Aroclor 1232	ND		ug/kg	19.2	--	A
Aroclor 1242	ND		ug/kg	19.2	--	A
Aroclor 1248	ND		ug/kg	12.8	--	A
Aroclor 1254	ND		ug/kg	19.2	--	A
Aroclor 1260	ND		ug/kg	12.8	--	A
Aroclor 1262	ND		ug/kg	6.41	--	A
Aroclor 1268	ND		ug/kg	6.41	--	A
PCBs, Total	ND		ug/kg	6.41	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/08/16 09:55
Analyst: JA

Extraction Method: EPA 3580A
Extraction Date: 09/07/16 15:58
Cleanup Method: EPA 3665A
Cleanup Date: 09/07/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 15-19 Batch: WG929655-1						
Aroclor 1016	ND		mg/kg	2.85	--	A
Aroclor 1221	ND		mg/kg	2.85	--	A
Aroclor 1232	ND		mg/kg	2.85	--	A
Aroclor 1242	ND		mg/kg	2.85	--	A
Aroclor 1248	ND		mg/kg	1.90	--	A
Aroclor 1254	ND		mg/kg	2.85	--	A
Aroclor 1260	ND		mg/kg	1.90	--	A
Aroclor 1262	ND		mg/kg	0.949	--	A
Aroclor 1268	ND		mg/kg	0.949	--	A
PCBs, Total	ND		mg/kg	0.949	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	119		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627414

Report Date: 09/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 20 Batch: WG928938-2 WG928938-3									
Aroclor 1016	93		96		40-140	3		50	A
Aroclor 1260	66		66		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		109		30-150	A
Decachlorobiphenyl	88		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	124		129		30-150	B
Decachlorobiphenyl	99		86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627414

Report Date: 09/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 13-14 Batch: WG929034-2 WG929034-3									
Aroclor 1016	83		86		40-140	4		50	A
Aroclor 1260	82		82		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		104		30-150	A
Decachlorobiphenyl	110		109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		105		30-150	B
Decachlorobiphenyl	108		108		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627414

Report Date: 09/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG929456-2 WG929456-3									
Aroclor 1016	120		132		40-140	10		50	A
Aroclor 1260	111		127		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		113		30-150	A
Decachlorobiphenyl	106		123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		123		30-150	B
Decachlorobiphenyl	92		107		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627414

Report Date: 09/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 05-12 Batch: WG929476-2 WG929476-3									
Aroclor 1016	115		85		40-140	30		50	A
Aroclor 1260	117		94		40-140	22		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		67		30-150	A
Decachlorobiphenyl	101		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		70		30-150	B
Decachlorobiphenyl	114		91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627414

Report Date: 09/12/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 15-19 Batch: WG929655-2 WG929655-3									
Aroclor 1016	122		124		40-140	2		50	A
Aroclor 1260	93		91		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		121		30-150	A
Decachlorobiphenyl	128		138		30-150	A
2,4,5,6-Tetrachloro-m-xylene	124		126		30-150	B
Decachlorobiphenyl	**166**	Q	**173**	Q	30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-01
Client ID: P-1
Sample Location: FAIRFIELD, ME
Matrix: Paint Chips

Date Collected: 08/30/16 13:10
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.7		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-02
Client ID: P-2
Sample Location: FAIRFIELD, ME
Matrix: Paint Chips

Date Collected: 08/30/16 13:20
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.0		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-03
Client ID: P-3
Sample Location: FAIRFIELD, ME
Matrix: Paint Chips

Date Collected: 08/30/16 13:30
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-04
Client ID: P-4
Sample Location: FAIRFIELD, ME
Matrix: Paint Chips

Date Collected: 08/30/16 13:40
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-05
Client ID: SD-01
Sample Location: FAIRFIELD, ME
Matrix: Soil

Date Collected: 08/30/16 09:50
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.5		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-06
Client ID: SD-02
Sample Location: FAIRFIELD, ME
Matrix: Soil

Date Collected: 08/30/16 09:55
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-07
Client ID: SS-01A
Sample Location: FAIRFIELD, ME
Matrix: Soil

Date Collected: 08/30/16 10:50
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-08
Client ID: SS-01B
Sample Location: FAIRFIELD, ME
Matrix: Soil

Date Collected: 08/30/16 11:00
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-09
Client ID: SS-01C
Sample Location: FAIRFIELD, ME
Matrix: Soil

Date Collected: 08/30/16 11:10
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.9		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-10
Client ID: SS-02A
Sample Location: FAIRFIELD, ME
Matrix: Soil

Date Collected: 08/30/16 11:50
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-11
Client ID: SS-02B
Sample Location: FAIRFIELD, ME
Matrix: Soil

Date Collected: 08/30/16 12:00
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

SAMPLE RESULTS

Lab ID: L1627414-12
Client ID: SS-02C
Sample Location: FAIRFIELD, ME
Matrix: Soil

Date Collected: 08/30/16 12:10
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	09/01/16 13:06	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG928126-1 QC Sample: L1627414-10 Client ID: SS-02A						
Solids, Total	85.3	83.7	%	2		20

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627414-01A	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	ME-TS-2540(7)
L1627414-01B	Glass 60mL/2oz unpreserved	A	N/A	4.2	Y	Absent	PCB-8082LL-3540C(14)
L1627414-02A	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	ME-TS-2540(7)
L1627414-02B	Glass 60mL/2oz unpreserved	A	N/A	4.2	Y	Absent	PCB-8082LL-3540C(14)
L1627414-03A	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	ME-TS-2540(7)
L1627414-03B	Glass 60mL/2oz unpreserved	A	N/A	4.2	Y	Absent	PCB-8082LL-3540C(14)
L1627414-04A	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	ME-TS-2540(7)
L1627414-04B	Glass 60mL/2oz unpreserved	A	N/A	4.2	Y	Absent	PCB-8082LL-3540C(14)
L1627414-05A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627414-05B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-3540C(14)
L1627414-06A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627414-06B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-3540C(14)
L1627414-07A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627414-07B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-3540C(14)
L1627414-08A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627414-08B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-3540C(14)
L1627414-09A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627414-09B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-3540C(14)
L1627414-10A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627414-10B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-3540C(14)
L1627414-11A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627414-11B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-3540C(14)
L1627414-12A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627414-12B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-3540C(14)
L1627414-13A	Glass 60mL/2oz unpreserved	A	N/A	4.2	Y	Absent	PCB-8082-CAULK(14)
L1627414-13B	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	ARCHIVE()
L1627414-14A	Glass 60mL/2oz unpreserved	A	N/A	4.2	Y	Absent	PCB-8082-CAULK(14)

*Values in parentheses indicate holding time in days

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627414
Report Date: 09/12/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627414-14B	Plastic 2oz unpreserved for TS	A	N/A	4.2	Y	Absent	ARCHIVE()
L1627414-15A	Glass 60mL/2oz unpreserved	C	N/A	2.0	Y	Absent	PCB-8082LL(14)
L1627414-16A	Glass 60mL/2oz unpreserved	C	N/A	2.0	Y	Absent	PCB-8082LL(14)
L1627414-17A	Glass 60mL/2oz unpreserved	C	N/A	2.0	Y	Absent	PCB-8082LL(14)
L1627414-18A	Glass 60mL/2oz unpreserved	C	N/A	2.0	Y	Absent	PCB-8082LL(14)
L1627414-19A	Glass 60mL/2oz unpreserved	C	N/A	2.0	Y	Absent	PCB-8082LL(14)
L1627414-20A	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	PCB-8082(7)
L1627414-20B	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	PCB-8082(7)

*Values in parentheses indicate holding time in days

Project Name:	CHINET	**Lab Number:**	L1627414
Project Number:	10193.045	**Report Date:**	09/12/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: Data Usability Report

Project Name:	CHINET	**Lab Number:**	L1627414
Project Number:	10193.045	**Report Date:**	09/12/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	CHINET	**Lab Number:**	L1627414
Project Number:	10193.045	**Report Date:**	09/12/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/31/16

ALPHA Job #: L1627414

ALPHA ANALYTICAL
8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: CES
Address: 640 Main St
Lewiston, Maine
Phone: 2077956609
Email: Dbrooks@ces-maine.com

Project Information

Project Name: Chiner
Project Location: Fairfield ME
Project #: 10193.0415
Project Manager: Dave Brooks
ALPHA Quote #: 1170

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due:

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:
Soxhlet extraction

ANALYSIS

VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint
PCBs

SAMPLE INFO

Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

Sample Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	PCBs	TOTAL # BOTTLES
27414-01	P-1	8/30/16	1310	gwL	BMD	X	
02	P-2		1320		BMD		
03	P-3		1330		BMD		
04	P-4		1340		BMD		
05	SD-01		0950	soil	BMD		
06	SD-02		0955		BMD		
07	SS-01A		1050		BMD		
08	SS-01B		1100		BMD		
09	SS-01C		1110		BMD		
10	SS-02A		1150		BMD		

Container Type
Preservative

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	8/31/16 1530		8/31/16 1131
	8/31/16 2025		8/31/16 2025

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 8/31/16

ALPHA Job #: L1627414

ALPHA ANALYTICAL
8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: CES
Address: 640 Main St
Lewiston, ME
Phone: 2077945600 9
Email: dbrooks@cesmaine.com

Project Information

Project Name: Chmel
Project Location: Fairfield, ME
Project #: 10193.045
Project Manager: Dave
ALPHA Quote #: 1170

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due:

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:

Soxhlet extraction

ANALYSIS

VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint
PCBs

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

Sample Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	PCBs	TOTAL # BOTTLES
27444-11	SS-02B	8/30/16	1200	Soil	BMD	X	
12	SS-02C		1210	Soil	BMD		
13	CK-01		1250	rock/lk	BMD		
14	CK-02		1300	rock/lk	BMD		
15	Oil-01		0915	oil	BMD		
16	Oil-02		0920		BMD		
17	Oil-03		0925		BMD		
18	Oil-04		0930		BMD		
19	Oil-05		0935		BMD		
20	FB-1		1000	water	BMD		

Container Type	
Preservative	

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
T. Huddleson	8/31/16 1530	T. Huddleson	8/31/16 1530
	8/31/16 2020		8/31/16 2025

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

ANALYTICAL REPORT

Lab Number:	L1627416
Client:	CES, Inc 640 Main St Lewiston, ME 04240
ATTN:	David Brooks
Phone:	(207) 989-4824
Project Name:	CHINET
Project Number:	10193.045
Report Date:	09/11/16

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1627416-01	CS-1	CONCRETE	FAIRFIELD, ME	08/30/16 10:25	08/31/16
L1627416-02	CS-2	CONCRETE	FAIRFIELD, ME	08/30/16 11:30	08/31/16
L1627416-03	CS-3	CONCRETE	FAIRFIELD, ME	08/30/16 11:40	08/31/16
L1627416-04	CS-4	CONCRETE	FAIRFIELD, ME	08/30/16 11:55	08/31/16
L1627416-05	CS-5	CONCRETE	FAIRFIELD, ME	08/30/16 12:10	08/31/16
L1627416-06	CS-6	CONCRETE	FAIRFIELD, ME	08/30/16 12:36	08/31/16
L1627416-07	CS-7	CONCRETE	FAIRFIELD, ME	08/30/16 13:00	08/31/16
L1627416-08	CS-8	CONCRETE	FAIRFIELD, ME	08/30/16 13:20	08/31/16
L1627416-09	CS-9	CONCRETE	FAIRFIELD, ME	08/30/16 13:30	08/31/16
L1627416-10	CS-10	CONCRETE	FAIRFIELD, ME	08/30/16 13:45	08/31/16
L1627416-11	CS-11	CONCRETE	FAIRFIELD, ME	08/30/16 14:00	08/31/16
L1627416-12	CS-12	CONCRETE	FAIRFIELD, ME	08/30/16 14:25	08/31/16
L1627416-13	CS-13	CONCRETE	FAIRFIELD, ME	08/30/16 14:40	08/31/16
L1627416-14	CS-14	CONCRETE	FAIRFIELD, ME	08/30/16 14:50	08/31/16
L1627416-15	CS-15	CONCRETE	FAIRFIELD, ME	08/30/16 15:00	08/31/16
L1627416-16	CS-16	CONCRETE	FAIRFIELD, ME	08/30/16 15:10	08/31/16
L1627416-17	CS-17	CONCRETE	FAIRFIELD, ME	08/30/16 15:20	08/31/16
L1627416-18	CS-18	CONCRETE	FAIRFIELD, ME	08/30/16 15:30	08/31/16
L1627416-19	CS-20	CONCRETE	FAIRFIELD, ME	08/30/16 15:40	08/31/16
L1627416-20	CS-21	CONCRETE	FAIRFIELD, ME	08/30/16 15:50	08/31/16
L1627416-21	CS-22	CONCRETE	FAIRFIELD, ME	08/30/16 16:00	08/31/16
L1627416-22	CS-23	CONCRETE	FAIRFIELD, ME	08/30/16 16:10	08/31/16
L1627416-23	CS-24	CONCRETE	FAIRFIELD, ME	08/30/16 16:30	08/31/16
L1627416-24	CS-25A	CONCRETE	FAIRFIELD, ME	08/30/16 11:20	08/31/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1627416-25	CS-25B	CONCRETE	FAIRFIELD, ME	08/30/16 11:39	08/31/16
L1627416-26	CS-25C	CONCRETE	FAIRFIELD, ME	08/30/16 11:40	08/31/16
L1627416-27	CS-26A	CONCRETE	FAIRFIELD, ME	08/30/16 12:20	08/31/16
L1627416-28	CS-26B	CONCRETE	FAIRFIELD, ME	08/30/16 12:30	08/31/16
L1627416-29	CS-26C	CONCRETE	FAIRFIELD, ME	08/30/16 12:40	08/31/16
L1627416-30	DUP-01	CONCRETE	FAIRFIELD, ME	08/30/16 00:00	08/31/16
L1627416-31	DUP-02	CONCRETE	FAIRFIELD, ME	08/30/16 00:00	08/31/16
L1627416-32	FB-2	WATER	FAIRFIELD, ME	08/30/16 16:30	08/31/16
L1627416-33	FB-3	WATER	FAIRFIELD, ME	08/30/16 16:35	08/31/16

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

Case Narrative (continued)

PCBs

L1627416-08 and -10: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1627416-20: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/11/16

ORGANICS

PCBS

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-01
Client ID: CS-1
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/07/16 21:25
Analyst: KB
Percent Solids: 98%

Date Collected: 08/30/16 10:25
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.0	--	1	A
Aroclor 1221	ND		ug/kg	59.0	--	1	A
Aroclor 1232	ND		ug/kg	59.0	--	1	A
Aroclor 1242	ND		ug/kg	59.0	--	1	A
Aroclor 1248	ND		ug/kg	39.3	--	1	A
Aroclor 1254	86.9		ug/kg	59.0	--	1	B
Aroclor 1260	ND		ug/kg	39.3	--	1	B
Aroclor 1262	ND		ug/kg	19.7	--	1	A
Aroclor 1268	ND		ug/kg	19.7	--	1	A
PCBs, Total	86.9		ug/kg	19.7	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-02
Client ID: CS-2
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/07/16 21:41
Analyst: KB
Percent Solids: 98%

Date Collected: 08/30/16 11:30
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.5	--	1	A
Aroclor 1221	ND		ug/kg	57.5	--	1	A
Aroclor 1232	ND		ug/kg	57.5	--	1	A
Aroclor 1242	ND		ug/kg	57.5	--	1	A
Aroclor 1248	ND		ug/kg	38.3	--	1	A
Aroclor 1254	579		ug/kg	57.5	--	1	B
Aroclor 1260	252		ug/kg	38.3	--	1	B
Aroclor 1262	ND		ug/kg	19.2	--	1	A
Aroclor 1268	ND		ug/kg	19.2	--	1	A
PCBs, Total	831		ug/kg	19.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-03
Client ID: CS-3
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/07/16 21:56
Analyst: KB
Percent Solids: 95%

Date Collected: 08/30/16 11:40
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	61.3	--	1	A
Aroclor 1221	ND		ug/kg	61.3	--	1	A
Aroclor 1232	ND		ug/kg	61.3	--	1	A
Aroclor 1242	ND		ug/kg	61.3	--	1	A
Aroclor 1248	ND		ug/kg	40.9	--	1	A
Aroclor 1254	ND		ug/kg	61.3	--	1	A
Aroclor 1260	ND		ug/kg	40.9	--	1	B
Aroclor 1262	ND		ug/kg	20.4	--	1	A
Aroclor 1268	ND		ug/kg	20.4	--	1	A
PCBs, Total	ND		ug/kg	20.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-04
Client ID: CS-4
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/07/16 22:12
Analyst: KB
Percent Solids: 98%

Date Collected: 08/30/16 11:55
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.6	--	1	A
Aroclor 1221	ND		ug/kg	57.6	--	1	A
Aroclor 1232	ND		ug/kg	57.6	--	1	A
Aroclor 1242	ND		ug/kg	57.6	--	1	A
Aroclor 1248	ND		ug/kg	38.4	--	1	A
Aroclor 1254	ND		ug/kg	57.6	--	1	A
Aroclor 1260	54.5		ug/kg	38.4	--	1	B
Aroclor 1262	ND		ug/kg	19.2	--	1	A
Aroclor 1268	ND		ug/kg	19.2	--	1	A
PCBs, Total	54.5		ug/kg	19.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-05
Client ID: CS-5
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 14:20
Analyst: JA
Percent Solids: 96%

Date Collected: 08/30/16 12:10
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.6	--	1	A
Aroclor 1221	ND		ug/kg	59.6	--	1	A
Aroclor 1232	ND		ug/kg	59.6	--	1	A
Aroclor 1242	ND		ug/kg	59.6	--	1	A
Aroclor 1248	ND		ug/kg	39.7	--	1	A
Aroclor 1254	ND		ug/kg	59.6	--	1	A
Aroclor 1260	ND		ug/kg	39.7	--	1	A
Aroclor 1262	ND		ug/kg	19.9	--	1	A
Aroclor 1268	ND		ug/kg	19.9	--	1	A
PCBs, Total	ND		ug/kg	19.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-06
Client ID: CS-6
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 12:07
Analyst: JA
Percent Solids: 98%

Date Collected: 08/30/16 12:36
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.8	--	1	A
Aroclor 1221	ND		ug/kg	54.8	--	1	A
Aroclor 1232	ND		ug/kg	54.8	--	1	A
Aroclor 1242	ND		ug/kg	54.8	--	1	A
Aroclor 1248	ND		ug/kg	36.6	--	1	A
Aroclor 1254	ND		ug/kg	54.8	--	1	A
Aroclor 1260	108		ug/kg	36.6	--	1	B
Aroclor 1262	ND		ug/kg	18.3	--	1	A
Aroclor 1268	ND		ug/kg	18.3	--	1	A
PCBs, Total	108		ug/kg	18.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-07
Client ID: CS-7
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 12:24
Analyst: JA
Percent Solids: 95%

Date Collected: 08/30/16 13:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.3	--	1	A
Aroclor 1221	ND		ug/kg	58.3	--	1	A
Aroclor 1232	ND		ug/kg	58.3	--	1	A
Aroclor 1242	ND		ug/kg	58.3	--	1	A
Aroclor 1248	ND		ug/kg	38.9	--	1	A
Aroclor 1254	ND		ug/kg	58.3	--	1	B
Aroclor 1260	ND		ug/kg	38.9	--	1	B
Aroclor 1262	ND		ug/kg	19.4	--	1	A
Aroclor 1268	ND		ug/kg	19.4	--	1	A
PCBs, Total	ND		ug/kg	19.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-08 D
Client ID: CS-8
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 20:54
Analyst: KB
Percent Solids: 98%

Date Collected: 08/30/16 13:20
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	114	--	2	A
Aroclor 1221	ND		ug/kg	114	--	2	A
Aroclor 1232	ND		ug/kg	114	--	2	A
Aroclor 1242	ND		ug/kg	114	--	2	A
Aroclor 1248	ND		ug/kg	75.7	--	2	A
Aroclor 1254	ND		ug/kg	114	--	2	A
Aroclor 1260	ND		ug/kg	75.7	--	2	A
Aroclor 1262	ND		ug/kg	37.9	--	2	A
Aroclor 1268	ND		ug/kg	37.9	--	2	A
PCBs, Total	ND		ug/kg	37.9	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-09
Client ID: CS-9
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 19:45
Analyst: KB
Percent Solids: 98%

Date Collected: 08/30/16 13:30
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.3	--	1	A
Aroclor 1221	ND		ug/kg	57.3	--	1	A
Aroclor 1232	ND		ug/kg	57.3	--	1	A
Aroclor 1242	ND		ug/kg	57.3	--	1	A
Aroclor 1248	ND		ug/kg	38.2	--	1	A
Aroclor 1254	ND		ug/kg	57.3	--	1	A
Aroclor 1260	ND		ug/kg	38.2	--	1	A
Aroclor 1262	ND		ug/kg	19.1	--	1	A
Aroclor 1268	ND		ug/kg	19.1	--	1	A
PCBs, Total	ND		ug/kg	19.1	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-10 D
Client ID: CS-10
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 20:39
Analyst: KB
Percent Solids: 98%

Date Collected: 08/30/16 13:45
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	116	--	2	A
Aroclor 1221	ND		ug/kg	116	--	2	A
Aroclor 1232	ND		ug/kg	116	--	2	A
Aroclor 1242	ND		ug/kg	116	--	2	A
Aroclor 1248	87.3		ug/kg	77.0	--	2	A
Aroclor 1254	ND		ug/kg	116	--	2	A
Aroclor 1260	ND		ug/kg	77.0	--	2	B
Aroclor 1262	ND		ug/kg	38.5	--	2	A
Aroclor 1268	ND		ug/kg	38.5	--	2	A
PCBs, Total	87.3		ug/kg	38.5	--	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-11
Client ID: CS-11
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 12:40
Analyst: JA
Percent Solids: 99%

Date Collected: 08/30/16 14:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.1	--	1	A
Aroclor 1221	ND		ug/kg	58.1	--	1	A
Aroclor 1232	ND		ug/kg	58.1	--	1	A
Aroclor 1242	ND		ug/kg	58.1	--	1	A
Aroclor 1248	ND		ug/kg	38.7	--	1	A
Aroclor 1254	70.1		ug/kg	58.1	--	1	B
Aroclor 1260	ND		ug/kg	38.7	--	1	B
Aroclor 1262	ND		ug/kg	19.4	--	1	A
Aroclor 1268	ND		ug/kg	19.4	--	1	A
PCBs, Total	70.1		ug/kg	19.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-12
Client ID: CS-12
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 12:57
Analyst: JA
Percent Solids: 89%

Date Collected: 08/30/16 14:25
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.6	--	1	A
Aroclor 1221	ND		ug/kg	64.6	--	1	A
Aroclor 1232	ND		ug/kg	64.6	--	1	A
Aroclor 1242	ND		ug/kg	64.6	--	1	A
Aroclor 1248	ND		ug/kg	43.1	--	1	A
Aroclor 1254	ND		ug/kg	64.6	--	1	B
Aroclor 1260	ND		ug/kg	43.1	--	1	A
Aroclor 1262	ND		ug/kg	21.5	--	1	A
Aroclor 1268	ND		ug/kg	21.5	--	1	B
PCBs, Total	ND		ug/kg	21.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-13
Client ID: CS-13
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 13:46
Analyst: JA
Percent Solids: 93%

Date Collected: 08/30/16 14:40
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	61.4	--	1	A
Aroclor 1221	ND		ug/kg	61.4	--	1	A
Aroclor 1232	ND		ug/kg	61.4	--	1	A
Aroclor 1242	154		ug/kg	61.4	--	1	B
Aroclor 1248	ND		ug/kg	41.0	--	1	A
Aroclor 1254	271		ug/kg	61.4	--	1	B
Aroclor 1260	113	P	ug/kg	41.0	--	1	B
Aroclor 1262	ND		ug/kg	20.5	--	1	A
Aroclor 1268	ND		ug/kg	20.5	--	1	A
PCBs, Total	538		ug/kg	20.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-14
Client ID: CS-14
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 14:36
Analyst: JA
Percent Solids: 97%

Date Collected: 08/30/16 14:50
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.0	--	1	A
Aroclor 1221	ND		ug/kg	58.0	--	1	A
Aroclor 1232	ND		ug/kg	58.0	--	1	A
Aroclor 1242	ND		ug/kg	58.0	--	1	A
Aroclor 1248	ND		ug/kg	38.6	--	1	A
Aroclor 1254	ND		ug/kg	58.0	--	1	A
Aroclor 1260	ND		ug/kg	38.6	--	1	A
Aroclor 1262	ND		ug/kg	19.3	--	1	A
Aroclor 1268	ND		ug/kg	19.3	--	1	A
PCBs, Total	ND		ug/kg	19.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-15
Client ID: CS-15
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 20:00
Analyst: KB
Percent Solids: 97%

Date Collected: 08/30/16 15:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.4	--	1	A
Aroclor 1221	ND		ug/kg	59.4	--	1	A
Aroclor 1232	ND		ug/kg	59.4	--	1	A
Aroclor 1242	ND		ug/kg	59.4	--	1	A
Aroclor 1248	ND		ug/kg	39.6	--	1	A
Aroclor 1254	ND		ug/kg	59.4	--	1	A
Aroclor 1260	ND		ug/kg	39.6	--	1	A
Aroclor 1262	ND		ug/kg	19.8	--	1	A
Aroclor 1268	ND		ug/kg	19.8	--	1	A
PCBs, Total	ND		ug/kg	19.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-16
Client ID: CS-16
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 16:32
Analyst: JA
Percent Solids: 98%

Date Collected: 08/30/16 15:10
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.3	--	1	A
Aroclor 1221	ND		ug/kg	58.3	--	1	A
Aroclor 1232	ND		ug/kg	58.3	--	1	A
Aroclor 1242	ND		ug/kg	58.3	--	1	A
Aroclor 1248	ND		ug/kg	38.9	--	1	A
Aroclor 1254	ND		ug/kg	58.3	--	1	A
Aroclor 1260	ND		ug/kg	38.9	--	1	A
Aroclor 1262	ND		ug/kg	19.4	--	1	A
Aroclor 1268	ND		ug/kg	19.4	--	1	A
PCBs, Total	ND		ug/kg	19.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-17
Client ID: CS-17
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 13:13
Analyst: JA
Percent Solids: 96%

Date Collected: 08/30/16 15:20
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.6	--	1	A
Aroclor 1221	ND		ug/kg	60.6	--	1	A
Aroclor 1232	ND		ug/kg	60.6	--	1	A
Aroclor 1242	ND		ug/kg	60.6	--	1	A
Aroclor 1248	ND		ug/kg	40.4	--	1	A
Aroclor 1254	ND		ug/kg	60.6	--	1	A
Aroclor 1260	ND		ug/kg	40.4	--	1	B
Aroclor 1262	ND		ug/kg	20.2	--	1	A
Aroclor 1268	ND		ug/kg	20.2	--	1	A
PCBs, Total	ND		ug/kg	20.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-18
Client ID: CS-18
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 13:30
Analyst: JA
Percent Solids: 96%

Date Collected: 08/30/16 15:30
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.9	--	1	A
Aroclor 1221	ND		ug/kg	60.9	--	1	A
Aroclor 1232	ND		ug/kg	60.9	--	1	A
Aroclor 1242	ND		ug/kg	60.9	--	1	A
Aroclor 1248	ND		ug/kg	40.6	--	1	A
Aroclor 1254	ND		ug/kg	60.9	--	1	B
Aroclor 1260	ND		ug/kg	40.6	--	1	A
Aroclor 1262	27.4		ug/kg	20.3	--	1	B
Aroclor 1268	ND		ug/kg	20.3	--	1	A
PCBs, Total	27.4		ug/kg	20.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-19 D
Client ID: CS-20
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/09/16 23:08
Analyst: JA
Percent Solids: 97%

Date Collected: 08/30/16 15:40
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	295	--	5	A
Aroclor 1221	ND		ug/kg	295	--	5	A
Aroclor 1232	ND		ug/kg	295	--	5	A
Aroclor 1242	ND		ug/kg	295	--	5	A
Aroclor 1248	ND		ug/kg	197	--	5	A
Aroclor 1254	1720		ug/kg	295	--	5	B
Aroclor 1260	651		ug/kg	197	--	5	B
Aroclor 1262	ND		ug/kg	98.4	--	5	A
Aroclor 1268	ND		ug/kg	98.4	--	5	A
PCBs, Total	2370		ug/kg	98.4	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-20 D
Client ID: CS-21
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 20:16
Analyst: KB
Percent Solids: 95%

Date Collected: 08/30/16 15:50
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1210	--	20	A
Aroclor 1221	ND		ug/kg	1210	--	20	A
Aroclor 1232	ND		ug/kg	1210	--	20	A
Aroclor 1242	ND		ug/kg	1210	--	20	A
Aroclor 1248	ND		ug/kg	809	--	20	A
Aroclor 1254	10400		ug/kg	1210	--	20	B
Aroclor 1260	ND		ug/kg	809	--	20	A
Aroclor 1262	ND		ug/kg	404	--	20	A
Aroclor 1268	ND		ug/kg	404	--	20	A
PCBs, Total	10400		ug/kg	404	--	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-21
Client ID: CS-22
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 17:05
Analyst: JA
Percent Solids: 96%

Date Collected: 08/30/16 16:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	61.2	--	1	A
Aroclor 1221	ND		ug/kg	61.2	--	1	A
Aroclor 1232	ND		ug/kg	61.2	--	1	A
Aroclor 1242	ND		ug/kg	61.2	--	1	A
Aroclor 1248	ND		ug/kg	40.8	--	1	A
Aroclor 1254	944		ug/kg	61.2	--	1	B
Aroclor 1260	124		ug/kg	40.8	--	1	B
Aroclor 1262	ND		ug/kg	20.4	--	1	A
Aroclor 1268	ND		ug/kg	20.4	--	1	A
PCBs, Total	1070		ug/kg	20.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-22
Client ID: CS-23
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 17:22
Analyst: JA
Percent Solids: 96%

Date Collected: 08/30/16 16:10
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.6	--	1	A
Aroclor 1221	ND		ug/kg	58.6	--	1	A
Aroclor 1232	ND		ug/kg	58.6	--	1	A
Aroclor 1242	ND		ug/kg	58.6	--	1	A
Aroclor 1248	ND		ug/kg	39.1	--	1	A
Aroclor 1254	1380		ug/kg	58.6	--	1	B
Aroclor 1260	1480		ug/kg	39.1	--	1	B
Aroclor 1262	ND		ug/kg	19.5	--	1	A
Aroclor 1268	890	P	ug/kg	19.5	--	1	B
PCBs, Total	3750		ug/kg	19.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	130		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-23
Client ID: CS-24
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 17:38
Analyst: JA
Percent Solids: 96%

Date Collected: 08/30/16 16:30
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.5	--	1	A
Aroclor 1221	ND		ug/kg	55.5	--	1	A
Aroclor 1232	ND		ug/kg	55.5	--	1	A
Aroclor 1242	ND		ug/kg	55.5	--	1	A
Aroclor 1248	ND		ug/kg	37.0	--	1	A
Aroclor 1254	60.5		ug/kg	55.5	--	1	B
Aroclor 1260	ND		ug/kg	37.0	--	1	A
Aroclor 1262	ND		ug/kg	18.5	--	1	A
Aroclor 1268	ND		ug/kg	18.5	--	1	A
PCBs, Total	60.5		ug/kg	18.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	138		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-24
Client ID: CS-25A
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 17:55
Analyst: JA
Percent Solids: 97%

Date Collected: 08/30/16 11:20
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.3	--	1	A
Aroclor 1221	ND		ug/kg	52.3	--	1	A
Aroclor 1232	ND		ug/kg	52.3	--	1	A
Aroclor 1242	ND		ug/kg	52.3	--	1	A
Aroclor 1248	ND		ug/kg	34.9	--	1	A
Aroclor 1254	ND		ug/kg	52.3	--	1	A
Aroclor 1260	ND		ug/kg	34.9	--	1	A
Aroclor 1262	ND		ug/kg	17.4	--	1	A
Aroclor 1268	ND		ug/kg	17.4	--	1	A
PCBs, Total	ND		ug/kg	17.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-25
Client ID: CS-25B
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 18:11
Analyst: JA
Percent Solids: 94%

Date Collected: 08/30/16 11:39
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.8	--	1	A
Aroclor 1221	ND		ug/kg	55.8	--	1	A
Aroclor 1232	ND		ug/kg	55.8	--	1	A
Aroclor 1242	ND		ug/kg	55.8	--	1	A
Aroclor 1248	ND		ug/kg	37.2	--	1	A
Aroclor 1254	ND		ug/kg	55.8	--	1	A
Aroclor 1260	ND		ug/kg	37.2	--	1	A
Aroclor 1262	ND		ug/kg	18.6	--	1	A
Aroclor 1268	ND		ug/kg	18.6	--	1	A
PCBs, Total	ND		ug/kg	18.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-26
Client ID: CS-25C
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 18:28
Analyst: JA
Percent Solids: 96%

Date Collected: 08/30/16 11:40
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.2	--	1	A
Aroclor 1221	ND		ug/kg	58.2	--	1	A
Aroclor 1232	ND		ug/kg	58.2	--	1	A
Aroclor 1242	ND		ug/kg	58.2	--	1	A
Aroclor 1248	ND		ug/kg	38.8	--	1	A
Aroclor 1254	ND		ug/kg	58.2	--	1	A
Aroclor 1260	ND		ug/kg	38.8	--	1	A
Aroclor 1262	ND		ug/kg	19.4	--	1	A
Aroclor 1268	ND		ug/kg	19.4	--	1	A
PCBs, Total	ND		ug/kg	19.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-27
Client ID: CS-26A
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 18:44
Analyst: JA
Percent Solids: 98%

Date Collected: 08/30/16 12:20
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.3	--	1	A
Aroclor 1221	ND		ug/kg	56.3	--	1	A
Aroclor 1232	ND		ug/kg	56.3	--	1	A
Aroclor 1242	ND		ug/kg	56.3	--	1	A
Aroclor 1248	ND		ug/kg	37.5	--	1	A
Aroclor 1254	ND		ug/kg	56.3	--	1	A
Aroclor 1260	ND		ug/kg	37.5	--	1	A
Aroclor 1262	ND		ug/kg	18.8	--	1	A
Aroclor 1268	ND		ug/kg	18.8	--	1	A
PCBs, Total	ND		ug/kg	18.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-28
Client ID: CS-26B
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/10/16 15:16
Analyst: JA
Percent Solids: 97%

Date Collected: 08/30/16 12:30
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/09/16 11:00
Cleanup Method: EPA 3665A
Cleanup Date: 09/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.2	--	1	A
Aroclor 1221	ND		ug/kg	56.2	--	1	A
Aroclor 1232	ND		ug/kg	56.2	--	1	A
Aroclor 1242	ND		ug/kg	56.2	--	1	A
Aroclor 1248	ND		ug/kg	37.5	--	1	A
Aroclor 1254	ND		ug/kg	56.2	--	1	A
Aroclor 1260	ND		ug/kg	37.5	--	1	A
Aroclor 1262	ND		ug/kg	18.7	--	1	A
Aroclor 1268	ND		ug/kg	18.7	--	1	A
PCBs, Total	ND		ug/kg	18.7	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-29
Client ID: CS-26C
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 19:18
Analyst: JA
Percent Solids: 99%

Date Collected: 08/30/16 12:40
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.6	--	1	A
Aroclor 1221	ND		ug/kg	58.6	--	1	A
Aroclor 1232	ND		ug/kg	58.6	--	1	A
Aroclor 1242	ND		ug/kg	58.6	--	1	A
Aroclor 1248	ND		ug/kg	39.1	--	1	A
Aroclor 1254	ND		ug/kg	58.6	--	1	A
Aroclor 1260	ND		ug/kg	39.1	--	1	A
Aroclor 1262	ND		ug/kg	19.5	--	1	A
Aroclor 1268	ND		ug/kg	19.5	--	1	A
PCBs, Total	ND		ug/kg	19.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-30
Client ID: DUP-01
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 19:34
Analyst: JA
Percent Solids: 99%

Date Collected: 08/30/16 00:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.9	--	1	A
Aroclor 1221	ND		ug/kg	57.9	--	1	A
Aroclor 1232	ND		ug/kg	57.9	--	1	A
Aroclor 1242	ND		ug/kg	57.9	--	1	A
Aroclor 1248	ND		ug/kg	38.6	--	1	A
Aroclor 1254	87.6		ug/kg	57.9	--	1	A
Aroclor 1260	42.5		ug/kg	38.6	--	1	B
Aroclor 1262	ND		ug/kg	19.3	--	1	A
Aroclor 1268	ND		ug/kg	19.3	--	1	A
PCBs, Total	130		ug/kg	19.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-31
Client ID: DUP-02
Sample Location: FAIRFIELD, ME
Matrix: Concrete
Analytical Method: 1,8082A
Analytical Date: 09/08/16 20:07
Analyst: JA
Percent Solids: 96%

Date Collected: 08/30/16 00:00
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.6	--	1	A
Aroclor 1221	ND		ug/kg	59.6	--	1	A
Aroclor 1232	ND		ug/kg	59.6	--	1	A
Aroclor 1242	ND		ug/kg	59.6	--	1	A
Aroclor 1248	ND		ug/kg	39.7	--	1	A
Aroclor 1254	699		ug/kg	59.6	--	1	B
Aroclor 1260	202	P	ug/kg	39.7	--	1	B
Aroclor 1262	ND		ug/kg	19.9	--	1	A
Aroclor 1268	ND		ug/kg	19.9	--	1	A
PCBs, Total	901		ug/kg	19.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-32
Client ID: FB-2
Sample Location: FAIRFIELD, ME
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/07/16 13:48
Analyst: HT

Date Collected: 08/30/16 16:30
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 09/04/16 18:44
Cleanup Method: EPA 3665A
Cleanup Date: 09/04/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A
PCBs, Total	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	136		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: CHINET
Project Number: 10193.045
Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-33
Client ID: FB-3
Sample Location: FAIRFIELD, ME
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/07/16 14:02
Analyst: HT

Date Collected: 08/30/16 16:35
Date Received: 08/31/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 09/04/16 18:44
Cleanup Method: EPA 3665A
Cleanup Date: 09/04/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
PCB by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.250	--	1	A
Aroclor 1262	ND		ug/l	0.250	--	1	A
Aroclor 1268	ND		ug/l	0.250	--	1	A
PCBs, Total	ND		ug/l	0.250	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/07/16 22:28
Analyst: JA

Extraction Method: EPA 3540C
Extraction Date: 09/04/16 06:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/06/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 01-20 Batch: WG928867-1						
Aroclor 1016	ND		ug/kg	51.9	--	A
Aroclor 1221	ND		ug/kg	51.9	--	A
Aroclor 1232	ND		ug/kg	51.9	--	A
Aroclor 1242	ND		ug/kg	51.9	--	A
Aroclor 1248	ND		ug/kg	34.6	--	A
Aroclor 1254	ND		ug/kg	51.9	--	A
Aroclor 1260	ND		ug/kg	34.6	--	A
Aroclor 1262	ND		ug/kg	17.3	--	A
Aroclor 1268	ND		ug/kg	17.3	--	A
PCBs, Total	ND		ug/kg	17.3	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	30		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/07/16 14:16
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 09/04/16 18:44
Cleanup Method: EPA 3665A
Cleanup Date: 09/04/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/04/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 32-33 Batch: WG928938-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.250	--	A
Aroclor 1262	ND		ug/l	0.250	--	A
Aroclor 1268	ND		ug/l	0.250	--	A
PCBs, Total	ND		ug/l	0.250	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	123		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/08/16 14:53
Analyst: JW

Extraction Method: EPA 3540C
Extraction Date: 09/07/16 11:22
Cleanup Method: EPA 3665A
Cleanup Date: 09/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 21-27,29-31 Batch: WG929478-1						
Aroclor 1016	ND		ug/kg	55.2	--	A
Aroclor 1221	ND		ug/kg	55.2	--	A
Aroclor 1232	ND		ug/kg	55.2	--	A
Aroclor 1242	ND		ug/kg	55.2	--	A
Aroclor 1248	ND		ug/kg	36.8	--	A
Aroclor 1254	ND		ug/kg	55.2	--	A
Aroclor 1260	ND		ug/kg	36.8	--	A
Aroclor 1262	ND		ug/kg	18.4	--	A
Aroclor 1268	ND		ug/kg	18.4	--	A
PCBs, Total	ND		ug/kg	18.4	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/10/16 14:29
Analyst: JA

Extraction Method: EPA 3540C
Extraction Date: 09/09/16 11:00
Cleanup Method: EPA 3665A
Cleanup Date: 09/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 09/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
PCB by GC - Westborough Lab for sample(s): 28 Batch: WG930376-1						
Aroclor 1016	ND		ug/kg	54.5	--	A
Aroclor 1221	ND		ug/kg	54.5	--	A
Aroclor 1232	ND		ug/kg	54.5	--	A
Aroclor 1242	ND		ug/kg	54.5	--	A
Aroclor 1248	ND		ug/kg	36.4	--	A
Aroclor 1254	ND		ug/kg	54.5	--	A
Aroclor 1260	ND		ug/kg	36.4	--	A
Aroclor 1262	ND		ug/kg	18.2	--	A
Aroclor 1268	ND		ug/kg	18.2	--	A
PCBs, Total	ND		ug/kg	18.2	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627416

Report Date: 09/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 01-20 Batch: WG928867-2 WG928867-3									
Aroclor 1016	54		66		40-140	20		50	A
Aroclor 1260	48		59		40-140	21		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		68		30-150	A
Decachlorobiphenyl	50		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		67		30-150	B
Decachlorobiphenyl	51		66		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627416

Report Date: 09/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 32-33 Batch: WG928938-2 WG928938-3									
Aroclor 1016	93		96		40-140	3		50	A
Aroclor 1260	66		66		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		109		30-150	A
Decachlorobiphenyl	88		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	124		129		30-150	B
Decachlorobiphenyl	99		86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627416

Report Date: 09/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 21-27,29-31 Batch: WG929478-2 WG929478-3									
Aroclor 1016	102		99		40-140	3		50	A
Aroclor 1260	107		106		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		80		30-150	A
Decachlorobiphenyl	92		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		84		30-150	B
Decachlorobiphenyl	103		102		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CHINET

Project Number: 10193.045

Lab Number: L1627416

Report Date: 09/11/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
PCB by GC - Westborough Lab Associated sample(s): 28 Batch: WG930376-2 WG930376-3									
Aroclor 1016	71		76		40-140	7		50	A
Aroclor 1260	67		72		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		75		30-150	A
Decachlorobiphenyl	78		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	B
Decachlorobiphenyl	79		84		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-01
Client ID: CS-1
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 10:25
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-02
Client ID: CS-2
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 11:30
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.7		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-03
Client ID: CS-3
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 11:40
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.8		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-04
Client ID: CS-4
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 11:55
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.1		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-05
Client ID: CS-5
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 12:10
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.4		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-06
Client ID: CS-6
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 12:36
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.5		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-07
Client ID: CS-7
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 13:00
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-08
Client ID: CS-8
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 13:20
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.8		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-09
Client ID: CS-9
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 13:30
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-10
Client ID: CS-10
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 13:45
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.8		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-11
Client ID: CS-11
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 14:00
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.9		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-12
Client ID: CS-12
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 14:25
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-13
Client ID: CS-13
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 14:40
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-14
Client ID: CS-14
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 14:50
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.3		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-15
Client ID: CS-15
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 15:00
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.3		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-16
Client ID: CS-16
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 15:10
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.8		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-17
Client ID: CS-17
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 15:20
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-18
Client ID: CS-18
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 15:30
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-19
Client ID: CS-20
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 15:40
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.0		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-20
Client ID: CS-21
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 15:50
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.7		%	0.100	NA	1	-	09/01/16 12:17	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-21
Client ID: CS-22
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 16:00
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-22
Client ID: CS-23
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 16:10
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-23
Client ID: CS-24
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 16:30
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.4		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-24
Client ID: CS-25A
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 11:20
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.2		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-25
Client ID: CS-25B
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 11:39
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.9		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-26
Client ID: CS-25C
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 11:40
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-27
Client ID: CS-26A
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 12:20
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.8		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-28
Client ID: CS-26B
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 12:30
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.8		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-29
Client ID: CS-26C
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 12:40
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.6		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-30
Client ID: DUP-01
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 00:00
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.8		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

SAMPLE RESULTS

Lab ID: L1627416-31
Client ID: DUP-02
Sample Location: FAIRFIELD, ME
Matrix: Concrete

Date Collected: 08/30/16 00:00
Date Received: 08/31/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.7		%	0.100	NA	1	-	09/01/16 12:39	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG928117-1 QC Sample: L1627416-01 Client ID: CS-1						
Solids, Total	97.6	97.4	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 21-31 QC Batch ID: WG928120-1 QC Sample: L1627416-21 Client ID: CS-22						
Solids, Total	96.1	95.9	%	0		20

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information	Custody Seal
Cooler	
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627416-01A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-01B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-02A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-02B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-03A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-03B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-04A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-04B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-05A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-05B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-06A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-06B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-07A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-07B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-08A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-08B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-09A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-09B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-10A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-10B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-11A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-11B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-12A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-12B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-13A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-13B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-14A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627416-14B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-15A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-15B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-16A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-16B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-17A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-17B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-18A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-18B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-19A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-19B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-20A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-20B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-21A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-21B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-22A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-22B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-23A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-23B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-24A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627416-24B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-25A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627416-25B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-26A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627416-26B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-27A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627416-27B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-28A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627416-28B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-29A	Plastic 2oz unpreserved for TS	B	N/A	2.0	Y	Absent	ME-TS-2540(7)
L1627416-29B	Glass 60mL/2oz unpreserved	B	N/A	2.0	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-30A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-30B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-31A	Plastic 2oz unpreserved for TS	D	N/A	2.4	Y	Absent	ME-TS-2540(7)
L1627416-31B	Glass 60mL/2oz unpreserved	D	N/A	2.4	Y	Absent	PCB-8082LL-CNCRT(14)
L1627416-32A	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	PCB-8082(7)

*Values in parentheses indicate holding time in days

Project Name: CHINET
Project Number: 10193.045

Lab Number: L1627416
Report Date: 09/11/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627416-32B	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	PCB-8082(7)
L1627416-33A	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	PCB-8082(7)
L1627416-33B	Amber 1000ml unpreserved	C	7	2.0	Y	Absent	PCB-8082(7)

*Values in parentheses indicate holding time in days

Project Name:	CHINET	**Lab Number:**	L1627416
Project Number:	10193.045	**Report Date:**	09/11/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: Data Usability Report

Project Name:	CHINET	**Lab Number:**	L1627416
Project Number:	10193.045	**Report Date:**	09/11/16

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	CHINET	**Lab Number:**	L1627416
Project Number:	10193.045	**Report Date:**	09/11/16

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: ***EPA 3050B***

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 3 OF 6

Date Rec'd in Lab: 8/31/16

ALPHA Job #: L1627416

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: CES
Address: 640 Main St, Lewiston, ME
Phone: 2077956069
Email: dbrooks@ces-maine.com

Project Information

Project Name: Chisel
Project Location: ~~Waterville~~ Fairfield, ME
Project #: 10193.045
Project Manager: Dave Brooks
ALPHA Quote #: 1170

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due:

Report Information - Data Deliverables

☐ ADEx ☑ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

Additional Project Information:
Soxhlet Extraction

ANALYSIS
VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint
PCBs

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservation ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	Sample Comments	TOTAL # BOTTLES
27416-01	CS-1	8/30/16	1025	concrete	LMA		6
02	CS-2		1130		LMA		
03	CS-3		1140		LMA		
04	CS-4		1155		LMA		
05	CS-5		1210		LMA		
06	CS-6		1230		LMA		
07	CS-7		1300		LMA		
08	CS-8		1320		LMA		
09	CS-9		1330		LMA		
10	CS-10		1345		LMA		

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

	Container Type	Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
T. Huddleston	8/31/16 1530		8/31/16 1530
	8/31/16 2025		8/31/16 2025

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

CHAIN OF CUSTODY

PAGE 4 OF 6

Date Rec'd in Lab: 8/31/16

ALPHA Job #: L1627416

ALPHA ANALYTICAL
World Class Chemistry
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information

Project Name: Chinet
Project Location: Fairfield, ME
Project #: 10193.045
Project Manager: Dave Brooks
ALPHA Quote #: 1170

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

Client Information

Client: CES
Address: 640 Main St
Lewiston, ME
Phone: 2077956009
Email: dbrooks@ces-maine.com

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program ______ Criteria ______

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Additional Project Information:
Soxhlet extraction

ANALYSIS: VOC: ☐ 8260 ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☐ PAH; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15; METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13; EPH: ☐ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☐ Ranges Only; ☐ PCB ☐ PEST; TPH: ☐ Quant Only ☐ Fingerprint; PCBs

SAMPLE INFO: *Filtration* ☐ Field ☐ Lab to do; *Preservation* ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	PCBs	Sample Comments	TOTAL # BOTTLES
27416-11	CS-11	8/30/16	1400	concrete	WH	X		
12	CS-12	↓	1425	↓	WH	↓		
13	CS-13	↓	1440	↓	BMD	↓		
14	CS-14	↓	1450	↓	BMD	↓		
15	CS-15	↓	1500	↓	BMD	↓		
16	CS-16	↓	1510	↓	BMD	↓		
17	CS-17	↓	1520	↓	BMD	↓		
18	CS-18	↓	1530	↓	BMD	↓		
19	CS-20	↓	1540	↓	BMD	↓		
20	CS-21	↓	1550	↓	BMD	↓		

Container Type
Preservative

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J = NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/31/16 1530	T. Hutchinson [signature]	8/31/16 1530
T. Hutchinson	8/31/16 2025	[signature]	8/31/16 2025

FORM NO: 01-01 (rev. 12-Mar-2012)

Serial_No:09111619:39

CHAIN OF CUSTODY

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Date Rec'd in Lab: 8/31/16

ALPHA Job #: L1627416

ALPHA ANALYTICAL

8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220

320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information

Project Name: Chinet

Project Location: Fairfield ME

Project #: 10193.045

Project Manager: Dave Brooks

ALPHA Quote #: 1170

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Client Information

Client: CES

Address: 640 Main St Lewiston, ME

Phone: 2077956009

Email: dbrooks@ces-maine.com

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods

☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)

☐ Yes ☐ No NPDES RGP

☐ Other State /Fed Program ______ Criteria ______

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due:

Additional Project Information:

ANALYSIS: VOC: ☐ 8260 ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☐ PAH; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15 ☐ PP13; METALS: ☐ RCRA5 ☐ RCRA8; EPH: ☐ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☐ Ranges Only; ☐ PCB ☐ PEST; TPH: ☐ Quant Only ☐ Fingerprint; PCBs

SAMPLE INFO: *Filtration* ☐ Field ☐ Lab to do; *Preservation* ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	PCBs	Sample Comments	TOTAL # BOTTLES
27416-01	CS-22	8/30/16	1000	concrete	BMD	X		
02	CS-23	↓	1010	↓	BMD	↓		
03	CS-24		1020		BMD			
04	CS-25A		1120		BMD			
05	CS-25B		1139		BMD			
06	CS-25C		1140		BMD			
07	CS-26A		1220		BMD			
08	CS-26B		1230		BMD			
09	CS-26C		1240		BMD			
30	Dup-01		0000		BMD			

Container Type	
Preservative	

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J = NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/31/16 1530	T. Huddleston [signature]	8/31/16 1530
T. Huddleston	8/31/16 2025	[signature]	8/31/16 2025

Serial_No:09111619:39

CHAIN OF COUNTY

ALPHA ANALYTICAL

PAGE 6 OF 6

Date Rec'd in Lab: 8/31/16

ALPHA Job #: L1627416

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Chinet
Project Location: Fairfield
Project #: 10193.045
Project Manager: Dave Brooks
ALPHA Quote #: 1130

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☐ Same as Client info PO #:

Client Information

Client: CES
Address: 640 Main St
Lewiston ME
Phone: 2077956009
Email: dbrooks@ces-maine.com

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program ________ Criteria ________

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due:

Additional Project Information:
soxhlet extraction

ANALYSIS: VOC: ☐ 8260 ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☐ PAH; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15 ☐ PP13; METALS: ☐ RCRA5 ☐ RCRA8; EPH: ☐ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☐ Ranges Only; ☐ PCB ☐ PEST; TPH: ☐ Quant Only ☐ Fingerprint; PCBs

SAMPLE INFO
Filtration
☐ Field
☐ Lab to do
Preservation
☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	PCBs	Sample Comments	TOTAL # BOTTLES
27416_31	DUP-02	8/30/16	0800	concrete	BAD	X		
32	FB-2	↓	1630	water	WH	↓		
33	FB-3	↓	1635	↓	WH	↓		

Container Type	
Preservative	

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/31/16 1530	[signature]	8/31/16 1530
T. Huddleston	8/31/16 2025	[signature]	8/31/16 2025

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Appendix F

BASIC DATA REVIEW CHECKLIST

Site	Chinet Mill Fairfield
Project	
Date(s) Sampled or Sampling Event	August 30, 2016
Reviewed by	Dorota Schweier
Date Reviewed	9/19/2016

A. Data Completeness

Item for Review	**Reviewer Comments**	**Yes**		**No**	
Did report include original lab reports?			X	*	
Was report paginated?			X	*	
Were all report pages received?			X	*	
Did report contain results for all samples and analyses requested on the chain of custody form?			X	*	
Were required QA/QC results included with lab report?			X	*	
Was EGAD EDD received?			X	*	
Were required QA/QC results included on EGAD EDD?			X	*	
Did reported analyte lists meet project specifications?			X	*	
Did reporting limits meet project specifications?			X	*	
Was the laboratory Maine certified for all methods/analytes/matrices performed at the time of sample analysis(if required)?			X	*	

*For all items checked N- contact chemist, lab or consultant for resolution

B. Preservation and Technical Holding Times						
Item for Review	**Reviewer Comments**	**Yes**		**If No, put X in box then click button**		
Sample cooler within required temperature range at time of receipt at laboratory (if No, enter receipt date and cooler temp in reviewer comments)?			X	**1**		No
Samples properly preserved at time of receipt at laboratory?			X	**1**		No
Was sample extraction/digestion performed within holding time?			X	**2**		No
Was sample analysis performed within analytical holding time?			X	**2**		No

(1) Review SAP/QAPP requirements, if unavailable use professional judgment to flag data as estimated "J" or as unusable "R"

(2) Review SAP/QAPP requirements, if unavailable,
If method HT<sample extraction/digestion/analysis time≤2X method HT, then estimate data and flag with "J"
If sample extraction/digestion/analysis time>2X method HT, flag detections with a "J", flag non-detects as "UJ" or reject data and flag with "R"

C. Blanks					
Item for Review	**Reviewer Comments**	**Yes** If Yes, put X in box then click button		**No**	
Were target analytes detected in laboratory method blanks?		Yes			**X**
Were target analytes detected in trip blanks(if applicable)?		Yes			
Were target analytes detected in equipment blanks (if applicable)?		Yes			X
Were target analytes detected in any other types of blanks included in the laboratory data report?		Yes			X
Was data appropriately qualified for blank contamination?				**3**	

*Contact chemist, lab or consultant for resolution
(3)Review SAP/QAPP requirements- if unavailable see Attachment A

D. Surrogates

Item for Review	Reviewer Comments	Yes	No If No, put X in box then click button		
Did the laboratory report results for surrogates (if required by the analytical method)?		X	*		No
If surrogates required were recoveries within acceptance ranges?				X	No
If surrogate recoveries were outside acceptance ranges, did the lab re-analyze to confirm matrix interference?			*	X	
Was data appropriately qualified for unacceptable surrogate recovery (if required)?		X	**4**		No

*Contact chemist, lab or consultant for resolution
(4)Review SAP/QAPP requirements, if unavailable:
If recovery > higher acceptance range, flag associated detects with “J”
If lower acceptance range > recovery ≥ 10% (20% for volatiles), flag associated detects with “J” and associated non-detects with “UJ”
If recovery <10% (20% for volatiles), reject associated data and flag with “R”

E. Laboratory Control Samples (LCS/LCSD)						
Item for Review	**Reviewer Comments**	**Yes**		**If No, put X in box then click button**		
Did the LCS include all spiked compounds as required by SAP/QAPP or method?			X	*		No
Were recoveries within acceptance ranges?			X	**5**		No
Was data appropriately qualified for unacceptable LCS recovery?			X	**5**		No
Were RPD between LCS and LCSD within acceptance ranges?			X	**6**		No

*Contact chemist, lab or consultant for resolution
(5)Review SAP/QAPP requirements, if unavailable:
Organics and wet chem: If recovery > higher acceptance range, flag associated detects with “J”
If recovery significantly <lower acceptance range, reject data and flag with “R”.
VOCs and SVOCs marginal sporadic exceedences (ME) allowed. The number of allowable marginal exceedances is as follows:
1) >90 analytes in LCS, 5 analytes allowed in ME of the LCS control limit;
2) 71–90 analytes in LCS, 4 analytes allowed in ME of the LCS control limit;
3) 51–70 analytes in LCS, 3 analytes allowed in ME of the LCS control limit;
4) 31–50 analytes in LCS, 2 analytes allowed in ME of the LCS control limit;
5) 11–30 analytes in LCS, 1 analytes allowed in ME of the LCS control limit;
6) <11 analytes in LCS, no analytes allowed in ME of the LCS control limit;
Marginal exceedances must be random and in no cases can the %R be <10%. If the same analyte exceeds the LCS control limit repeatedly, it is an indication of a systemic problem.
The source of the error must be located and corrective action taken.

Metals: 40%<Aqueous/Water and Soil/Sediment %R	Qualify results that are ≥ MDL as estimated low “J”,
<lower acceptance limit	Qualify non-detects as estimated “UJ”
Upper acceptance limit<Aqueous/Water and Soil/Sediment %R < 150%	Qualify results that are ≥ MDL as estimated high “J”
%Recovery < 40%	Qualify all results as unusable “R”
%Recovery > 150%	Qualify all results as unusable “R”

(6) Review SAP/QAPP requirements, if unavailable use professional judgment to flag data as estimated “J” or as unusable “R”

F. Matrix Spike Samples (MS/MSD)						
Item for Review	**Reviewer Comments**	**Yes**		**If No, put X in box then click button**		
Did the MS (if performed) include all spiked compounds as required by SAP/QAPP or method?				*		
Were recoveries within acceptance ranges (if MS performed)?				**7**		No
Was data appropriately qualified for unacceptable MS recovery (if MS performed)?				**7**		No
Were RPD between MS and MSD (if performed) within acceptance ranges?				**7**		No

*Contact chemist, lab or consultant for resolution
(7) Review SAP/QAPP requirements, if unavailable use professional judgment to flag data as estimated “J” or as unusable “R”

G. Duplicates (Note this also applies for analytes reported by more than one method)						
Item for Review	**Reviewer Comments**	**Yes**		**If No, put X in box then click button**		
Were lab duplicate or field duplicate analyses performed (if yes list type in reviewer comments)?	PCBs Soxhlet Extraction		X			
Were RPDs (if applicable) within acceptance ranges?				**8**		No

(8) Review SAP/QAPP requirements, if unavailable:

Qualification of Organic Analytes in Lab or Field Duplicates

Situation 1: Positive Detects in Both Lab or Field Duplicates

RPD	Aqueous ≤ 30% Non-aqueous ≤ 50%	Aqueous > 30% Non-aqueous > 50%		
Sample Results	**Both Duplicates ≥ 2xSQL**	**Both Duplicates** **Both Duplicates ≥ 2 x SQL**	**SQL ≤ Both Duplicate samples concs. < 2 x SQL**	**One sample conc. > 2 x SQL SQL ≤ Other sample conc. < 2 x. SQL**
Detects	No Flag	J	Professional Judgment	Professional Judgment
Non-detects	No Flag	NA	NA	NA

Situation 2: Positive Detect in Only One Lab or Field Duplicate Sample[9]

Non-Aqueous Lab or Field Duplicate Sample Results		
Sample Results	**One Sample conc. = ND (or value reported as less than the SQL) SQL < Other Sample Conc. < 2 x SQL**	**One Sample conc. = ND (or value reported as less than the SQL) Other Sample Conc. >2x SQL**
Detects	Professional Judgment	J
Non-detects	Professional Judgment	UJ

(9) RPDs should not be determined for duplicate pairs in this situation.

Qualification of Inorganic Analytes Based on Lab or Field Duplicates – Aqueous Matrices

Sample Results	**Aqueous Lab or Field Duplicate Sample Results**			
	Both Duplicates ≥ 5 x SQL		**One or Both Duplicates < 5 x SQL**[10]	
	RPD ≤ 30%	**RPD > 30%**	**Abs. Diff. ≤ 2 x SQL**	**Abs. Diff. > 2 x SQL**
Detects	No Flag	J	No Flag	J
Non-detects	No Flag	UJ	No Flag	UJ

(10) No action is taken when both field duplicate results are positive detects < SQL or are non-detects.

Qualification of Inorganic Analytes Based on Lab or Field Duplicates - Non-Aqueous Matrices

Sample Results	**Non-Aqueous Lab or Field Duplicate Sample Results**			
	Both Duplicates ≥ 5 x SQL		**One or Both Duplicates < 5 x SQL**[11]	
	RPD ≤ 50%	**RPD > 50%**	**Abs. Diff. ≤ 4 x SQL**	**Abs. Diff. > 4 x SQL**
Detects	No flag	J	No Flag	J
Non-detects	No flag	UJ	No Flag	UJ

(11) No action is taken when both field duplicate results are positive detects < SQL or are non-detects.

H. Data Usability							
Item for Review	**Reviewer Comments**	**If Yes, put X in box then click button**			**If No, put X in box then click button**		
Is there any reason to suspect carryover?		*	Yes			X	
Is there any reason to suspect matrix interference?		*	Yes			X	
Do chromatograms (if provided) look reasonable?					*		No
Is there a compound detected below quantitation limits that should be noted?			Yes			X	
Is there any other reason that the data should be qualified?			Yes			X	
Was all (or most) data qualified for a particular method or analyte?		*		X			
Was any data rejected during the above review?		*				X	
Is data quality sufficient for the intended use of the data?				X	*		

*Contact chemist, lab or consultant for resolution